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ABSTRACT

A composite English-to-Chinese glossary of all terms introduced in the individual lessons of "Scientific and Technical Chinese" is presented here. The appendices include lists of weights and measures and chemical elements, and a partial list of Chinese government organizations and research institutes related to science and technology. (AMH)

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SCIENTIFIC AND TECHNICAL CHINESE: VOLUME II

Glossary

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United States-China Relations Program
Stanford University

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SCIENTIFIC AND TECHNICAL CHINESE

Volume II

English-Chinese Glossary

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Note: Identification of Optional Characters and Alternative Translations

Even technical expressions can have a variety of forms in Chinese. This sometimes involves the inclusion or ommission of "optional" characters to produce extended or abbreviated forms of the same term. In other cases, there are two or more common ways to translate the English equivalent. In this glossary, parentheses--( )-- are used to denote "optional" characters which may be retained or dropped at the discretion of the speaker or writer without changing the meaning. Square brackets--[ ]-- indicate alternative ways to translate the English expression given in the first column. This distinction between optional characters and alternative translations is made only in the column containing Chinese characters; the column containing pin yin transliterations uses parentheses for both.

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VOCABULARY

(in English alphabetical order)

A

abcess	nóngzhǒng	脓 肿
abdomen	fù	腹
abdominal pain	fùtòng	腹 痛
ability, talent, capability	cáinéng	才 能
able to use (equipment or technique), can use as well	zhàoyàng huìyòng	照样会用
abnormal variation	yìcháng biànhuà	异常变化
absolute, pure	juéduì	绝 对
absolute zero	juéduì língdù	绝对零度
absorption	xīshōu	吸 收
absurd idea	miùlùn	谬 论
academic	xuéshùxìng	学术性
academic department	xuéxì	学 系
academic discussion	xuéshù tǎolùn	学术讨论
academic organization	xuéshù tuántǐ	学术团体
Academy of Chinese Traditional Medicine	zhōngguó zhōngyī xuéyuàn	中国中医学院
to accelerate, acceleration	jiāsù	加 速
accelerator	jiāsùqì	加速器
to accept (applicants after screening, examination, etc.)	lùqǔ	录 取

accident	shìgù	事 故
accomplishment	chéngguǒ	成 果
accuracy, degree of	zhǔnquèdù	准确度
accurate	jīngquè	精 确
acetic acid	cùsuān	醋 酸
acid	suān	酸
acid content	hánsuānliàng	含酸量
acid radical (chemistry)	suāngēn	酸 根
acidic	suānxìng (de)	酸性(的)
activation	huóhuàzuòyòng	活化作用
actually	shìshíshàng	事实上
acupuncture (treatment)	zhēncì (zhìliáo)	针刺(治疗)
acupuncture and moxibustion	zhēnjiǔ	针 灸
acupuncture anesthesia	zhēncì mázuì	针刺麻醉
acute appendicitis	jíxìng lánweiyán	急性阑尾炎
to adapt, to adjust	shìyìng	适 应
adenine	xiànpiāoling	腺嘌呤
to adjust, to adapt	shìyìng	适 应
to administer, to manage	guǎnlǐ	管 理
to administer orally	kǒufú	口 服
administration, administrative	xíngzhèng	行 政
advanced, leading	gāojí	高 级
advanced technology	xiānjìn jìshù	先进技术
aerial photography, aerial photographs	kōngzhōng zhàoxiàng	空中照相
aerial spraying	fēijī pēnwù	飞机喷雾
aeronautics	hángkōng(xué)	航空(学)

affinity	qīnhélì	亲合力
after...	zhīhòu	....之后
age	niánlíng	年 龄
age-old, old	yōujiǔ (de)	悠久(的)
agricultural machinery	nóngyè jīxiè	农业机械
agronomist	nóngxuéjiā	农学家
agronomy	nóngyìxué	农艺学
air-blast	gǔfēng	鼓 风
airplane	fēijī	飞 机
airport	(fēi)jīchǎng	(飞)机场
alfalfa	mùxu	苜 蓿
alkalinization	jiǎnhuà (zuòyòng)	碱化(作用)
allergic reaction	guòmǐn fǎnyìng	过敏反应
allergy	guòmǐnzhèng	过敏症
alloy	héjīn	合 金
alloy steel	héjīngāng	合金钢
alone, individually	dāndú de	单独地
aluminum	lǚ	铝
amateur, non-professional	fēizhuānyè (yèyú)	非专业〔业余〕
amelioration of soils	tǔrang gǎiliáng	土壤改良
amino acid	ānjīsuān	氨基酸
ammeter	ānpéiji (diànliúbiǎo)	安培计〔电流表〕
ammonia	ān	氨
ammonium bicarbonate	tànsuānqīngān	碳酸氢铵
ammonium chloride	lǜhuàan	氯化铵
ammonium sulphate	liúsuānān	硫酸铵
ammunition	dànyào	弹 药

amount of... required	xūyàoliàng	需要量
anaerobic fermentation	wúyǎng fājiào (xiànqìxìng fājiào)	无氧发酵〔嫌气性发酵〕
analog computer	mōnǐ jìsuànjī	模拟计算机
analytical chemistry	fēnxī huàxué	分析化学
analytical procedures	fēnxī chéngxù	分析程序
to analyze, analysis	fēnxī	分　析
anatomy	jiěpōuxué	解剖学
anesthesia	mázuì	麻　醉
angle	jiǎodù	角　度
anhydrous	wúshuǐ	无　水
animal	dòngwù	动　物
animal husbandry	xùmù	畜　牧
animal wastes	dòngwùfèi	动物肥
Anshan iron and steel works	ānshān gāngtiě chǎng	鞍山钢铁厂
anthracite	wúyānméi	无烟煤
antibiotic	kàngshēngsù	抗生素
anticline formations	bèixié dìxíng	背斜地形
apparatus	qìxiè	器　械
to appear, to show, to indicate, to reveal	xiǎn(shì)chū	显(示)出
appendicitis	lánwěiyán	阑尾炎
applied chemistry	yìngyòng huàxué	应用化学
applied physics	yìngyòng wùlǐxué	应用物理学
applied sciences	yìngyòng kēxué	应用科学
to apply, to act, to do	shī	施

to apply, application	yīngyòng	应 用
arable land	kěgēngdì	可耕地
arch bridge	gǒngchiáo	拱 桥
architect	jiànzhù gōngchéngshī	建筑工程师
architecture	jiànzhù(xué)	建筑(学)
argon	yà	氩
arid area, arid environment	gānhàn pínjí dìqū	干旱贫瘠地区
arms and ammunition	wǔqì dànyào	武器弹药
aromatic (category of chemicals)	fāngxiāngzú	芳香族
arsenic	shēn	砷
arteries	dòngmài	动 脉
artificial cornea	réngào jiǎomó	人造角膜
artificial gene	réngào jīyīn	人造基因
artificial larynx	réngōnghóu	人工喉
artificial satellite	réngào wèixīng	人造卫星
artificial skin	réngào pífū	人造皮肤
as far back as	yuánsù	远 溯
as to, concerning	zhìyú	至 于
asphalt	lìqīng(gāo)	沥青(膏)
asphalt concrete	lìqīng hùnníngtǔ	沥青混凝土
asphalt road surface	lìqīng lùmiàn	沥青路面
to assemble, assembly	zhuāngpèi	装 配
assembly-line production	liúshuǐ zuòyè	流水作业
assembly workshop	zhuāngpèi chējiān	装配车间
assistant	zhùlǐ	助 理
to assure	quèbǎo	确 保
asthma	qìchuǎnbìng	气喘病

astronautics	yǔzhòu hángxíng(xué)	宇宙航行(学)
astronomical observatory	tiānwéntái	天文台
astronomy	tiānwénxué	天文学
astro-physics	tiānwén wùlǐxué	天文物理学
atmospheric physics	dàqì wùlǐxué	大气物理学
atmospheric pollution	dàqìcéng wūrǎn	大气层污染
atmospheric pressure	dàqì yālì	大气压力
atmospheric refraction	dàqì zhéshè	大气折射
atom	yuánzǐ	原 子
atomic boiler	yuánzǐ guōlú	原子锅炉
atomic bomb	yuánzǐ zhàdàn	原子炸弹
atomic bonds	yuánzǐ jiàjiàn	原子价键
atomic energy	yuánzǐnéng	原子能
atomic power plant	yuánzǐnéng fādiànchǎng	原子能发电厂
atomic weight	yuánzǐliàng	原子量
to attempt	qǐtú	企 图
attribute, nature, feature, property	xìngnéng	性 能
to auscultate	tīngzhěn	听 诊
to automate, (automated)	zìdònghuà (de)	自动化(的)
automated production	zìdònghuà shēngchǎn	自动化生产
automatic, automation	zìdòng	自 动
automatic blood-cell counter	zìdòng xuèqiú jìsuànqì	自动血球计算器
automotive industry	qìchē gōngyè	汽车工业
average kinetic energy	píngjūn dòngnéng	平均动能
axle, drive shaft	zhóu	轴

B

Babinski reflexes	xītiáo fǎnshè	膝跳反射
backslope	bèipō	背 坡
backward, underdeveloped	luòhòu	落 后
bacteria, bacterial	xìjūn	细 菌
bacterial gene	xìjūn jīyīn	细菌基因
bacterial leaf blight	xìjūnxìng dàoyè kūwěibìng	细菌性稻叶枯萎病
bacterium cell	xìjūn xìbāo	细菌细胞
balance	pínghéng	平 衡
balanced development	pínghéng fāzhǎn	平衡发展
ball bearing	gǔnzhū zhóuchéng	滚珠轴承
ballistic missile	dàndào dǎodàn	弹道导弹
bamboo	zhúzi	竹 子
band brake	dàizhá (dàishì shāchē)	带闸〔带式煞车〕
bandage	bēngdài	绷 带
barefoot doctor	chìjiǎo yīshēng	赤脚医生
barley	dàmài	大 麦
barren land	huāngdì	荒 地
base material	jīzhì	基 质
basic, basis	jīchǔ	基 础
basic oxygen furnace	jiǎnxìng yǎngqìlú	碱性氧气炉
basic particle	jīběn lìzǐ	基本粒子
basket	kuāng	筐
in batches	chéngpī	成 批
battery	diànchí	电 池

bauxite	lǜtǔ (fántǔ)	铝土〔矾土〕
to be, to become	dāng	当
to be able to	déyǐ	得以……
beam (construction)	liáng	梁
to bear (responsibility), burden	dānfù	担 负
bearing (in a machine)	zhóuchéng	轴 承
because of	yóuyú	由 于
to believe firmly, to pin one's faith on	jiānxìn	坚 信
to belong to	shǔ(yú)	属 于
below, following	xiàmiàn	下 面
beneficiation of ore	jīngxuǎn kuàngshí	精选矿石
benign tumor	liángxìngliú	良性瘤
benzene	běn	苯
besides...	...zhīwài	……之外
bevel gear	xiéchǐlún	斜齿轮
big-horned sheep	chángjiǎoyáng	长角羊
biochemistry	shēngwù huàxué	生物化学
biogas, marsh gas	zhǎoqì	沼 气
bio-gas digester	zhǎoqìchí	沼气池
biological science, biology	shēngwù(xué)	生物(学)
bio-medical	shēngwù hé yīxué de	生物和医学的
biophysics	shēngwù wùlǐxué	生物物理学
birth control	jiéyù	节 育
bitumen	lìqīng	沥 青
bituminite, bituminous coal	yānméi	烟 煤
blackmail	ézhà	讹 诈

bladder infection	pángguāngyán	膀胱炎
blade	yè	叶
blast furnace	gāolú	高 炉
to bleed, to hemorrhage	chūxuè	出 血
blight	kūwěibìng	枯萎病
blood-cell	xuèqiú	血 球
blood pressure	xuèyā	血 压
blood sample	xuèyàng	血 样
blood transfusion	shūxuè	输 血
blood vessel	xuèguǎn	血 管
boiler	guōlú	锅 炉
boiling point	fèidiǎn	沸 点
bolt	luóshuān (luódīng)	螺栓〔螺钉〕
bonding force	jiéhélì	结合力
bond-ladder	jiàntī	键 梯
bone	gǔtou	骨 头
bone fracture	gǔzhé	骨 折
borderland	biānjiāng	边 疆
to bore, boring (mechanical)	táng(kǒng)	镗(孔)
boring machine	tángchuáng	镗 床
boson	bōsèzǐ	玻色子
botanist	zhíwùxuéjiā	植物学家
botany	zhíwù(xué)	植物(学)
bound state	shùfùtài	束缚态
bovine insulin	niú yídǎosù	牛胰岛素
bowel, large intestine	dàcháng	大 肠
boycott	dǐzhì	抵 制

to brake (a vehicle)	shāchē (shāchē)	刹车〔煞车〕
brake block	shāchekuài (shāchekuài)	刹车块〔煞车块〕
branch, department, section division	bùmén	部 门
brass	huángtóng	黄 铜
to braze, brazing, brazed	tónghàn	铜 焊
to break, to smash	dǎpò	打 破
break through	tūpò	突 破
breast	rǔfáng	乳 房
to breed, multiply (animals)	fánzhí	繁 殖
brick	zhuān	砖
bridge	qiáo(liáng)	桥(梁)
brigade	dàduì	大 队
brightness	liàngdù	亮 度
broadcast	guǎngbō	广 播
bronchitis	zhīqìguǎnyán	支气管炎
bronze	qīngtóng	青 铜
buffalo	shuǐniú	水 牛
to build, construct, to repair	xiū	修
bulldozer	tuītǔjī	推土机
burn (injury)	shāoshāng	烧 伤
by-product	fùchǎnpǐn	副产品

C

cadmium	gé	镉

cadmium-calcium phosphate	gélínsuāngài	镉磷酸钙
calcium	gài	钙
calcium carbide	tànhuàgài	碳化钙
to calculate, to count	jì	计
calculation, operation	yùnsuàn	运 算
calculator (computer)	jìsuànjī	计算机
cam	tūlún (piānxīnlún)	凸轮〔偏心轮〕
cam shaft	tūlúnzhóu	凸轮轴
can use as well, able to use (equipment or technique)	zhàoyàng huìyòng	照样会用
canal (irrigation)	qúdào	渠 道
canal (transport)	yùnhé	运 河
cancer	áizhèng	癌 症
cancer of the esophagus	shídàoái	食道癌
cannot help but	bùjìn	不 禁
cantilever bridge	xuánbìchiáo	悬臂桥
canyon	xiágǔ	峡 谷
capacitor	diànróngqì (róngdiànqì)	电容器〔容电器〕
capacity	nénglìang	能 量
capacity (of a reservoir)	xushuiliang	蓄水量
capillary	máoxìxuèguǎn	毛细血管
carbon steel	tàngang	碳 钢
carbon	tàn	碳
carbon compound	hántàn huàhéwù	含碳化合物
carbon dioxide	èryǎnghuàtàn	二氧化碳

carbon-film resistor	tánmó diànzǔ	炭膜电阻
cardiac massage	xīnzàng ànmó	心脏按摩
cardiac stimulant	qiángxīnjì	强心剂
cardiovascular disease	xīnxuèguǎnzhèng	心血管症
carp (fish)	lǐyú	鲤 鱼
to carry through, to bring it off	guànchè	贯 彻
to cast, casting	zhùzào	铸 造
cast iron	zhùtiě	铸 铁
casting	jiāozhù	浇 铸
catalysis	cuīhuà (zuòyong)	催化(作用)
catalyst	cuīhuàjì	催化剂
catalytic cracking	cuīhuà lièhuà	催化裂化
category	fànchóu	范 畴
to cater to	yínghé	迎 合
cattle or draught animal	shēngkǒu	牲 口
caudal fin	wěiqí	尾 鳍
cause	chéngyīn	成 因
to cause	dǎozhì	导 致
cell	xìbāo	细 胞
cell division	xìbāo fēnliè	细胞分裂
cellular dissection experiment	xìbāo jiěpōu shìyàn	细胞解剖实验
cellular level	xìbāojí	细胞级
cement	shuǐní	水 泥
centigrade, celsius	shèshì	摄 氏
centimeter	límǐ (gōngfēn)	厘米〔公分〕

central	zhōngyāng	中央
central nervous system	zhōngshū shénjīng xìtǒng	中枢神经系统
centralization (management)	jízhōng guǎnlǐ	集中管理
centralized (administrative, political)	zhōngyāng zhíjiē lǐngdǎo (de)	中央直接领导(的)
century	shìjì	世 纪
ceramic pipe	táo(qì)guǎn	陶(器)管
ceramics	táoqì	陶 器
cerebral neurosurgery	dànǎo shénjīng wàikē	大脑神经外科
cervix, cervical	zǐgōngjǐng	子宫颈
chain	liàntiáo	链 条
to challenge, to provoke	tiǎozhàn	挑 战
Chang-pai Mountain	chángbáishān	长白山
channel	bōdào	波 道
characteristic	tèxìng	特 性
to check one's pulse	jiǎnchá màibó	检查脉膊
chemical analysis	huàxué fēnxī	化学分析
chemical bond	huàxuéjiàn	化学键
chemical compound	huàhéwù	化合物
chemical engineering	huàxué gōngchéng	化学工程
chemical fertilizer	huàféi	化 肥
chemical metallurgy	huàxué yějīn	化学冶金
chemical physics	huàxué wùlǐxué	化学物理学
chemical reaction	huàxué fǎnyìng	化学反应
chemical science, chemistry	huàxué	化 学
chemist	huàxuéjiā	化学家

chest	xiōng	胸
Chinese Academy of Agricultural and Forestry Sciences	zhōngguó nónglín xuéyuàn	中国农林学院
Chinese Academy of Medical Sciences	zhōngguó yīxuéyuàn	中国医学院
Chinese Academy of Science	zhōngguó kēxuéyuàn	中国科学院
The Chinese Medical Journal	zhōngguó yīxué xuébào	中国医学学报
Chinese Scientific and Technological Association	zhōngguó kēxué jìshù xiéhuì	中国科学技术协会
chlorinated hydrocarbon	lǜhuàjīng	氯化烃
chlorine gas	lǜqì	氯　气
chloroplast	yèlǜtǐ	叶绿体
cholera	huòluàn	霍　乱
to choose, to select	xuǎnzé	选　择
chromatography	sècéng (fēnlí)fǎ	色层(分离)法
chromosome	rǎnsètǐ	染色体
chronic	mànxìng	慢　性
chronic disease	mànxìng jíbìng	慢性疾病
chronometer	jīngmì shíjì	精密时计
circuit (electrical)	diànlù	电　路
circulation, circulatory	xúnhuán	循　环
citrus fruit	gānjú	柑　橘
civil engineer	tǔmù gōngchéngshī	土木工程师
civil engineering	tǔmù gōngchéng	土木工程
clam shells	bèiké	贝　壳
to classify, classification	fēnlèi	分　类
clay	niántǔ	粘　土

climate	qìhòu	气 候
climatologist	qìhòuxuéjiā	气候学家
clinic	ménzhěnsuǒ (yīwùsuǒ) (zhěnliáosuǒ)	门诊所〔医务所〕〔诊疗所〕
clinical medicine	línchuáng yīshù	临床医术
close to	jiāngjìn	将 近
close-planting	mìzhí	密 植
closed-circuit television	bìlù diànshì	闭路电视
clue	xiànsuǒ	线 索
clutch (in a car, machine)	líhéqì	离合器
coal	méi(tàn)	煤(炭)
coal mine	méikuàng	煤 矿
coal seam	méicéng	煤 层
coffer dam	wéiyàn	围 堰
coherency	xiānggānxìng	相干性
coil (as in a radio)	xiànquān	线 圈
coke	jiāotàn	焦 碳
coking coal	jiāoméi	焦 煤
cold	gǎnmào	感 冒
cold front	lěngfēng	冷 锋
cold rolling	lěngzhá	冷 轧
collector	shōujíqì	收集器
colloidal chemistry	jiāotǐ huàxué	胶体化学
column of mercury	gǒngzhù (shuǐyínzhù)	汞柱〔水银柱〕
combustion	ránshāo	燃 烧
commercial crop	jīngjì zuòwù	经济作物

common, general	yìbānxìng	一般性
common cold	pǔtōng gǎnmào	普通感冒
common sense	chángshí	常　识
commune	gōngshè	公　社
communicable disease, contagious disease	chuánrǎnbìng	传染病
communication	tōngxìn (tōngxùn)	通信〔通讯〕
communication network	tōngxìnwǎng (tōngxùnwǎng)	通信网〔通讯网〕
communications satellite	tōngxìn wèixīng	通信卫星
communication system	tōngxìn xìtǒng (tōngxùn xìtǒng)	通信系统〔通讯系统〕
complicated, complex	fùzá (de)	复杂(的)
component, part	bùjiàn (língjiàn)	部件(零件)
compost	duīféi	堆　肥
compound	huàhéwù	化合物
computer	jìsuànjī	计算机
computer technology	diànzǐ jìsuàn gōngyì	电子计算工艺
to concentrate, concentration, to centralize	jízhōng	集　中
concentrating equipment	xuǎnkuàngjī (jīngxuǎnjī)	选矿机〔精选机〕
concept, idea	gàiniàn	概　念
concerned, relevant	yǒuguān (de)	有关(的)
concrete (construction material)	hùnníngtǔ	混凝土
condensor, capacitor	diànróngqì (róngdiànqì)	电容器〔容电器〕
conductor	dǎotǐ	导　体

congenital	xiāntiānxìng	先天性
conical clutch	zhuīzhuàng líhéqì	椎状离合器
conjunctivitis	jiémóyán	结膜炎
connection, involvement, relation	guānlián	关 联
connector	jiētóu	接 头
to consider important, to pay attention to	zhòngshì	重 视
considerable	xiāngdāng	相 当
constipated	biànbì	便 秘
to construct, to build, to repair	xiū	修
to consume	xiāohào (xiāofèi)	消耗〔消费〕
consumer goods	xiāofèipǐn	消费品
contagious disease	chuánrǎnbìng	传染病
contamination, pollution	wūrǎn	污 染
content	hánliàng	含 量
contour plowing	děnggāo gēngzuò	等高耕作
contraception	bìyùn	避 孕
contraceptive (pill, drug)	bìyùnyào	避孕药
contraceptive device	bìyùn yòngjù	避孕用具
contract (agreement)	hétong	合 同
to contract (a disease)	huàn	患
contradiction	máodùn	矛 盾
contrast	duìzhào (duìbǐ)	对照〔对比〕
to contribute, to offer, contribution	gòngxiàn	贡 献
control, under (administrative) control of...	guǎnxiá	管 辖

to control	kòngzhì	控 制
controllable thermonuclear reaction	kěkòngxìng rèhé fǎnyìng	可控性热核反应
controller, control equipment	kòngzhìqì	控制器
controls (of a machine)	kòngzhì jīgòu	控制机构
convertor	zhuǎnlú	转 炉
convulsion	jìngluán	痉 挛
cooling medium	lěngquèjì	冷却剂
to coordinate	xiétiáo	协 调
coordinating body or group	xiétiáo dānwèi	协调单位
to cope with	yìngfù	应 付
copper	tóng	铜
core, kernel, nucleus	héxīn	核 心
core sample	yánxīn yàngpǐn	岩心样品
corn, maize	yùmǐ (yùshǔshǔ)	玉米〔玉蜀黍〕
cornea	jiǎomó	角 膜
to correct	jiǎozhèng	矫 正
to correspond to, corresponding	duìyìng (de)	对应(的)
to correspond to, to conform to, in line with	fúhé	符 合
corresponding, equivalent	xiāngdāng	相 当
corrosion	fǔshí	腐 蚀
corrugated (steel) pipe	bōwénguǎn	波纹管
cosmology	yǔzhòulùn	宇宙论
cost (in commerce)	chéngběn	成 本
cotton	miánhua	棉 花

cotton ball	miánlíng	棉 铃
cough	késou	咳 嗽
Coulomb repulsion force	kùlún páichìlì	库伦排斥力
to count, to calculate	jì	计
countless	bùjìqíshù	不计其数
coupling	jiēhéqì	接合器
to cover	fùgài	覆 盖
cow, cattle	niú	牛
cracked, broken	pòliè	破 裂
cracking (chemical)	lièhuà	裂 化
cramp (in a muscle)	jìngluán	痉 挛
crane	qǐzhòngjī	起重机
crankshaft	qūzhóu	曲 轴
Crop Breeding and Cultivation Institute	zuòwù péizhǒng zāipéi yánjiūsuǒ	作物配种栽培研究所
crop residue (as fertilizer)	zhíwùféi	植物肥
crop rotation	lúnzuò	轮 作
cross-breed	zájiāo	杂 交
cross-eyed vision	nèixiéshì	内斜视
cross-pollination	yìhuāchuánfěn	异花传粉
cross-sectional drawing	duànmiàntú	断面图
crushing equipment	pòsuìjī	破碎机
crust of the earth	dìké	地 壳
crystal	jīngtǐ	晶 体
crystal lattice	jīngégé (jiéjīng gézi)	晶格〔结晶格子〕
crystal lattice structure	jīngégé jiégòu	晶格结构

crystal physics	jīngtǐ wùlǐ	晶体物理
crystalline insulin	jiéjīng yídǎosù	结晶胰岛素
cubic kilometer	lìfāng qiānmǐ	立方千米
to cultivate, to breed (seed)	péiyù	培　育
cultivated land	gēngdì	耕　地
cultivation method (in farming)	gēngzuòfǎ	耕作法
cultivation pattern	zāipéi fāngfǎ	栽培方法
Cultural Revolution (Great Proletarian Cultural Revolution)	wénhuà dàgémìng (wéidà de wúchǎn jiējí wénhuà dàgémìng)	文化大革命〔伟大的无产阶级文化大革命〕
to take a culture (biological)	péiyǎngxìng shìyàn	培养性试验
culvert	hándòng	涵　洞
to cure	zhìyù	治　愈
current, for the present	mùqián (de)	目前(的)
current (electric)	diànliú	电　流
curriculum	kèchéng	课　程
curvature	wānqūdù	弯曲度
cutting tool	dāojù	刀　具
cyclone separator	huíxuán fēnlíqì	回旋分离器
cyclotron	huíxuán jiāsùqì	回旋加速器
cyst	bāonáng	孢　囊
cytogene	xìbāozhì jīyīn	细胞质基因
cytological examination	xìbāo jiǎnyànfǎ	细胞检验法
cytoplasm	xìbāozhì	细胞质
cytosine	bāomìdìng	胞嘧啶

D

dairy cows	nǎiniú	奶 牛
dam	(shuǐ)bà	(水)坝
to dare, to act with daring and courage	gǎnxiǎng gǎngǎn	敢想敢干
data	shùjù	数 据
data processing	shùjù chǔlǐ	数据处理
DDT	dīdītì	滴滴涕
deadline	qīxiàn	期 限
deafness	ěrlóng	耳 聋
the decade of... (e.g., the "Thirties", "Forties")	...niándài	年 代
deciduous trees	luòyèshù	落叶树
deeply, profoundly	shēnkè de	深刻地
deeply rooted	shēnhòu de	深厚的
to defecate, feces, fecal	dàbiàn	大 便
defense industry	guófáng gōngyè	国防工业
deformation	biànxíng	变 形
to delineate	huàfēn	划 分
to delve deeply into, to go deeply into the matter	shēnjiū	深 究
demand, the quantity needed	xūqiúliàng	需求量
demolition	chāihuǐ	拆 毁
densely populated	rénkǒu chóumì	人口稠密
density	mìdù	密 度
department (academic)	xì	系

department, division	bùmén	部　门
deposit (ore)	kuàngchuáng (kuàngcáng)	矿床〔矿藏〕
deposit (quantity of minerals)	yùncángliàng	蕴藏量
deposited or hidden (generally minerals)	yùncáng	蕴　藏
depth	shēndù	深　度
dermatology	pífūbìngxué	皮肤病学
desert	shāmò	沙　漠
design	shèjì	设　计
to despise, to deprecate, to underestimate	qīngshì	轻　视
to de-sulfurize, de-sulfurizing	tuōliú	脱　硫
detached retina	shìwǎngmó fēnlí	视网膜分离
deterrent capability	wēishè lìliàng	威慑力量
detonation	bàozhà	爆　炸
deuterium	dāo	氘
deuteron	zhòngqīnghé (dāohé)	重氢核〔氘核〕
developing (countries)	fāzhǎnzhōng de	发展中的
diabetes	tángniàobìng	糖尿病
to diagnose	zhěnduàn	诊　断
dialectical materialism	biànzhèng wéiwùlùn	辨证唯物论
dialysis machine	fēnlíqì	分离器
diamond drill	jīngāng zuàn	金钢钻
diarrhea	fùxiè	腹　泻
die-maker	mújùgōng	模具工
diesel engine	cháiyóujī	柴油机
diesel oil	cháiyóu	柴　油

difference	chābié	差 别
difficult to foresee	nányǐyùjiàn de	难以预见的
diffusion	kuòsàn	扩 散
diffusion pump	kuòsànbèng	扩散泵
to digest, digestive	xiāohuà	消 化
dike	dī	堤
dike, embankment, dam	dībà	堤 坝
dilute	chōngdàn (xīshì)	冲淡〔稀释〕
dinitrogen complex	èrxiāojī luòhéwù	二硝基络合物
diode	èrjíguǎn	二极管
diploid	èrbèitǐ	二倍体
direct	zhíjiē	直 接
direct application, external application of medicine	wàifū	外 敷
directed mutation	dìngxiàng tūbiàn	定向突变
directionality	fāngxiàngxìng	方向性
directive	zhǐshì	指 示
to disappear, to become extinct	juéjì	绝 迹
disease	jíbìng	疾 病
disk (magnetic)	cípán	磁 盘
disk clutch	tūlúnpán líhéqì (pánshì líhéqì)	凸轮盘离合器〔盘式离合器〕
dissection	jiěpōu	解 剖
dissension, disagreement	yìyì	异 议
to dissolve	róngjiě	溶 解
to distill	zhēngliú	蒸 馏

to distribute	fēnbù	分 布
to distribute, to assign, distribution	fēnpèi	分 配
to divide or delineate, to draw a line	huàfēn	划 分
DNA (deoxy-ribonucleic acid)	tuōyǎng hétáng hésuān	脱氧核糖核酸
to do	gǎo	搞
dome (geological)	qióngqiū	穹 丘
dominant, leading, guiding	zhǔdǎo	主 导
double, dual	shuāngchóng	双 重
draftsman	huìtúyuán	绘图员
drainage	páishuǐ	排 水
drainage channel	páishuǐdào	排水道
drainage equipment	páishuǐ shèbèi	排水设备
drainage system	páishuǐ xìtǒng	排水系统
to draw	huìzhì	绘 制
to draw a map, mapping	huìtú	绘 图
to draw up or map out (a plan)	nǐdìng	拟 定
drawn tube	lāzhìguǎn(zi)	拉制管(子)
to dream, to hope for	mèngxiǎng	梦 想
dressing equipment	zhěngxiūjī	整修机
drill (machine)	zuānchuáng	钻 床
to drill	zuāntàn	钻 探
drilling sample	zuāntàn yàngpǐn	钻探样品
drinking water	yǐnshuǐ	饮 水
drive shaft	zhǔzhóu	主 轴

drought	hànzāi	旱 灾
drought resistant (said of vegetation)	kànghàn	抗 旱
drug, medication	yào	药
dry farming	hànzuò	旱 作
duckweed	fúpíng (qīngfúcǎo)	浮萍〔青浮草〕
duplication	fùzhì	复 制
duration	chíxù shíjiān	持续时间
dust	huīchén	灰 尘
dwarf rice	ǎidào	矮 稻
dynamic metamorphism	dònglì biànzhì	动力变质
dysentary	lìjí	痢 疾

E

ear	ěrduo	耳 朵
early-ripening	zǎoshú	早 熟
earth, quantity of	tǔfāng	土 方
earth science	dìxué	地 学
earthfilled structure	tiántǔ jiànzhùwù	填土建筑物
earthquake	dìzhèn	地 震
earthquake-resistant	fángzhèn	防 震
easy, easily, without sufficient consideration	qīngyì	轻 易
ecological danger	shēngtài hàichù	生态害处
eczema	shīzhěn	湿 疹
efficiency	xiàolǜ (gōngxiào)	效率〔功效〕

egg, ovum	luǎn	卵
electric arc	diànhú	电 弧
electric circuit	diànlù	电 路
electric current	diànliú	电 流
electric energy	diànnéng	电 能
electric furnace	diànlú	电 炉
electric generator	fādiànjī	发电机
electric heating device	diànrè shèbèi	电热设备
electric meter, gauge	diànbiǎo	电 表
electric motor	diàndòngjī	电动机
electric potential difference	diànshìchā (diànwèichā)	电势差〔电位差〕
electric power	diàngōnglǜ	电功率
electric power station	fādiànzhàn	发电站
electric relay	jìdiànqì	继电器
electric shock	chùdiàn	触 电
electric thermometer	diànwēnduìjì	电温度计
electrical apparatus, equipment	diànqì shèbèi (diànqì shèbèi)	电气设备〔电器设备〕
electrical charge	diànhé	电 荷
electrical connection	diànjiētóu	电接头
electrical discharge	fàngdiàn	放 电
electrical engineering	diànjī gōngchéng	电机工程
electrical property	diànxìng	电 性
electricity	diàn	电
electricity (as a field of study)	diànxué	电 学
electrification, electrify	diànqìhuà	电气化
electro-acupuncture anesthesia	diànliú zhēnci mázuì	电流针刺麻醉

electrode	diànjí	电 极
electrolysis	diànjiě	电 解
electrolyte	diànjiězhì	电解质
electro-magnetic, electro-magnetism	diàncí	电 磁
electro-magnetic field	diàncíchǎng	电磁场
electro-magnetic isotope separator	diàncí tóngwèisù fēnlíqì	电磁同位素分离器
electron, electronic	diànzǐ	电 子
electron beam	diànzǐshù	电子束
electron microscope	diànzǐ xiǎnwēijìng	电子显微镜
electron tube, vacuum tube	diànziguǎn (zhēnkōngguǎn)	电子管〔真空管〕
electron volt, eV	diànzǐfú(tè)	电子伏(特)
electronic calculator	diànzǐ shùzì jìsuànqì	电子数字计算器
electronic computer	diànzǐ jìsuànjī	电子计算机
electronic controls	diànzǐ kòngzhì jīgòu	电子控制机构
electronics	diànzǐxué	电子学
electroplating	diàndù	电 镀
electrostatic accelerator	jìngdiàn jiāsù zhuāngzhì	静电加速装置
element (chemical)	yuánsù	元 素
elementary, rudimentary	chūjí	初 级
elementary particle	yuánlǐzǐ (jīběnlǐzǐ)	元粒子〔基本粒子〕
elevation, height, altitude	gāodù	高 度
emaciated	shēntǐ xiāoshòu	身体消瘦
embankment	bà	坝
embryo	pēitāi	胚 胎

emergency treatment	jízhěn	急 诊
emission, to launch (rocket, etc.)	fāshè	发 射
emphasis	zhòngdiǎn	重 点
to emphasize, to stress	qiángdiào	强 调
emulsifying agent	rǔhuàjì	乳化剂
emulsion of oil	yóurǔ	油 乳
to enact, to enforce, to put into operation	shīxíng	施 行
to encounter	pèngdào	碰 到
to encourage	gǔlì	鼓 励
endemic parasitic disease	dìfāngxìng jìshēngchóngbìng	地方性寄生虫病
endocrine	nèifēnmì	内分泌
energetic, brisk, dynamic, vigorous, full of vigor	shēngqìbóbó	生气勃勃
energy	néngliàng	能 量
energy (human), mental and physical vitality, effort	jīngli	精 力
energy bond	néngjiàn	能 键
energy source	néng(liàngzī)yuán	能(量资)源
engine, motor	mǎdá (fādòngjī)	马达〔发动机〕
engineer	gōngchéngshī	工程师
engineering design	gōngchéng shèjì	工程设计
engineering mechanics	gōngchéng lìxué	工程力学
enterprise	qǐyè	企 业
entropy	shāng	熵

environmental pollution	huánjìng wūrǎn	环境污染
environmental protection	huánjìng bǎohù	环境保护
environmental sanitation	huánjìng wèishēng	环境卫生
enzyme	méi	酶
epicenter	zhènzhōng (zhēnyāng)	震中〔震央〕
epidemic	liúxíngxìng	流行性
epidemic influenza	liúxíngxìng gǎnmào	流行性感冒
equation	fāngchéngzǔ	方程组
equipment	shèbèi	设 备
equivalent	dāngliàng	当 量
to eradicate	gēnchú	根 除
to erect	shùlì	竖 立
erosion	chōngshí (qīnshí)	冲蚀〔侵蚀〕
erythrocyte, red blood cell	hóngxuèqiú	红血球
esophagus	shídào	食 道
essential nutrient	jīběn yǎngfèn	基本养分
to establish, to set up	shèlì	设 立
estrangement, alienation, lack of understanding	géhé	隔 阂
ethylene	yǐxī	乙 烯
eucaryotic cell	zhēnhé xìbāo	真核细胞
eugenic	yōushēng	优 生
to evaluate, evaluation	píngjià	评 价
evaporation	zhēngfā (zuòyòng)	蒸发〔作用〕
even, to go to the length of..., go so far as to...	jìng	竟
even if, no matter, despite...	jǐnguǎn	尽 管

eventually, sooner or later	chízǎo	迟 早
Mt. Everest (Mount Jolmo Lungma)	zhūmùlǎngmǎfēng	珠穆朗玛峰
evergreen	chángqīngshù	常青树
evident, obvious	xiǎnéryìjiàn	显而易见
evolution	yǎnbiàn (jìnhuà)	演变〔进化〕
to examine, examination (medical)	jiǎnyàn	检 验
examining table	zhěnduàntái	诊断台
example	lì(zi)	例(子)
to excavate	wāchū	挖 出
exception	lìwài	例 外
excitation emission	shòujī fāshè	受激发射
excrement	fènniào	粪 尿
to execute	zhíxíng	执 行
to exhibit, to express	biǎoxiàn	表 现
exhibition hall	zhǎnlǎntīng	展览厅
to expand, expansion	kuòjiàn	扩 建
experimental biology	shíyàn shēngwùxué	实验生物学
experimental plot	shíyàntián	实验田
to exploit, to open up	kāifā	开 发
exploitation	kāicǎi	开 采
to explore, to prospect (geological), exploration, prospecting	kāntàn	勘 探
to express, to exhibit	biǎoxiàn	表 现
extent	fúdù	幅 度
external application of medicine	wàifū	外 敷
to extract	tíqǔ	提 取
to extract teeth	báyá	拔 牙

eye specialist, opthalmologist	yǎnkē zhuānjiā	眼科专家
eyeball	yǎnqiú	眼 球

F

facsimile transmission system	chuánzhēn fāshè xìtǒng	传真发射系统
in fact, actually	shíshíshàng	事实上
factor	yīnsù	因 素
faculty and staff members	jiàozhíyuán	教职员
farm implement, agricultural implement	nóngjù	农 具
farm machinery plant	nóngjīchǎng	农机厂
fast neutron	kuàizhōngzǐ	快中子
fatigue	píjuàn	疲 倦
fatty acid	zhīfángsuān	脂肪酸
fault zone	duàncéng dìdài	断层地带
feces, fecal	dàbiàn	大 便
fermentation	fājiào (fāxiào)	发 酵
ferric chloride	lǜhuàtiě	氯化铁
ferrous metal	hēisè jīnshǔ	黑色金属
fertile	féiwò	肥 沃
fertilization	shòujīng	受 精
fertilized	shòujīng (de)	受精的
fertilizer	féiliào	肥 料
fertilizer application	shīfèi	施 肥
fertilizer spreader	féiliào sǎbùjī (shīféijī)	肥料撒布机〔施肥机〕

fetus, embryo	tāi(ér)	胎(儿)
feudal times	fēngjiàn shídài	封建时代
fever, to have a temperature	fāshāo	发 烧
few, very few	liáoliáokěshǔ	寥寥可数
fiber	xiānwéi	纤 维
fiction, fabrication	xūgòu	虚 构
field, sphere, realm	lǐngyù	领 域
field management	tiánjiān guǎnlǐ	田间管理
to fill	tiánrù	填 入
film (in a roll)	jiāojuǎn	胶 卷
to filter	guòlǜ	过 滤
fin (of a fish)	qí	鳍
fine, precise, detailed	xì	细
finishing mill	jīngzhácháng	精轧厂
finite, limited	yǒuxiàn (de)	有限(的)
fireproof	fánghuǒ	防 火
first aid	jíjiù	急 救
first generation	dìyīdài	第一代
fiscal resources	cáilì	财 力
fishery	yú	渔
fixed energy	bùbiàn néngliàng	不变能量
flashlight	shǒudiàntǒng	手电筒
flat land	píngdì	平 地
flood	shuǐzāi (lào)	水灾〔涝〕
flood control	fánghóng	防 洪
to flow	liú	流
flow meter	liúliàngjì (liúliàngbiǎo)	流量计〔流量表〕

fluid	liúti	流 体
flourescent spectroscope	yíngguāng fēnguāngjìng	荧光分光镜
fluorine	fú	氟
following, below	yǐxià de	以下的
food crops	zhuāngjia	庄 稼
food poisoning	shíwù zhòngdú	食物中毒
foodstuff, food grains, provisions	shíliáng	食 粮
footprint	zújì	足 迹
for example	bǐfāngshuō	比方说
forage grass	mùcǎo	牧 草
forceps	chǎnqián	产 钳
forecast, prediction	yùbào	预 报
foreign trade	(duì)wàimào(yì)	(对)外贸(易)
forging	duànzào	锻 造
forging shop	duàntiě chējiān	锻铁车间
formal, official	zhèngshì (de)	正式(的)
formula	gōngshì	公 式
fossil fuel	kuàngwù ránliào	矿物燃料
foundation, base	gēndǐ	根 底
foundation (of a building)	dìjī	地 基
foundry, foundry worker	zhùgōng	铸 工
foundry equipment	zhùzào shèbèi (fānshā shèbèi)	铸造设备〔翻砂设备〕
fracture (bone)	gǔzhé	骨 折
free muscle transplant	tóngtǐ yízhí	同体移植

freezing point	bīngdiǎn	冰 点
frequency (wave)	pínlǜ	频 率
frequent	pínfán	频 繁
friction	mócā	磨 擦
frost level	dòngjié shēndù	冻结深度
fuel	ránliào	燃 料
fuel oil	ránliàoyóu	燃料油
fuel technology	ránliào gōngyì	燃料工艺
fully	chōngfèn (de)	充分(地)
function	zuòyòng	作 用
fungus	zhēnjūn	真 菌
furnace, stove	lúzào	炉 灶
furnace	gǔfēnglú (gāolú)	鼓风炉〔高炉〕
furnace lining	lúchèn	炉 衬
further	jìnyíbù (de)	进一步的
future	wèilái	未 来

G

to galvanize	dùxīn	镀 锌
galvanizing shop	dùxīn chējiān	镀锌车间
gas	qìtǐ	气 体
gas (mining term)	wǎsī	瓦 斯
gas alarm	wǎsī bàojǐngqì	瓦斯报警器
gas detector	wǎsī jiàndìngqì (wǎsī tàncèqì)	瓦斯鉴定器〔瓦斯探测器〕
gaseous state	qìtài	气 态

gasket	diànpiàn	垫 片
gasoline	qìyóu	汽 油
gasoline engine	qìyóujī	汽油机
gastroenteritis	wèichángyán	胃肠炎
gastro-intestinal illness	chángwèibìng	肠胃病
gauge, meter	biǎo (jì)	表〔计〕
gear	chǐlún	齿 轮
gene	jīyīn	基 因
general investigation	pǔchá	普 查
generally, for the most part, as a whole	dà.hì	大 致
generation (first, second...)	dài	代
generative cell, reproductive cell	shēngzhí xìbāo	生殖细胞
generator	fādiànjī	发电机
genetic code	yíchuán mìmǎ	遗传密码
genetic mutation	yíchuán tūbiàn	遗传突变
geneticist	yíchuánxuéjiā	遗传学家
genetics	yíchuánxué	遗传学
geodetic network	dàdì cèliángwǎng	大地测量网
geodetic survey	dìzhì cèliáng	地质测量
geographic map	dìlǐtu	地理图
geologic map	dìzhìtú	地质图
geologic time	dìzhì shíqī	地质时期
geological investigation	dìzhì diàochá	地质调查
geological paleontology	dìzhì gǔshēngwùxué	地质古生物学
geological prospecting (team)	dìzhì kāntàn (duì)	地质勘探(队)

geologist	dìzhìxuéjiā (dìzhìzhuānjiā)	地质学家〔地质专家〕
geology	dìzhìxué	地质学
geomagnetic station	dìcítái	地磁台
geomechanics	dìzhì lìxué	地质力学
geometry	jǐhé	几 何
geophysicist	dìqiú wùlǐxuéjiā	地球物理学家
geophysics	dìqiú wùlǐxué	地球物理学
geothermal energy	dìrè	地 热
germanium	zhě	锗
to germinate	fāyá	发 芽
ginseng	rénshēn	人 参
glaciation	bīngshí	冰 蚀
gland	xiàn	腺
glass	bōlí	玻 璃
glaze (on ceramics, etc.)	yòu	釉
goat	shānyáng	山 羊
goiter	jiǎzhuàngxiànzhǒng	甲状腺肿
Goldbach Conjecture	gǔdébāhè cāixiǎng	古德巴赫猜想
golden-haired gorilla	jīnsīhóu	金丝猴
goldfish	jīnyú	金 鱼
good, fine, desirable	liáng	良
grade	pōdù	坡 度
to graduate, graduation	bìyè	毕 业
to graft, to transplant	yízhí	移 植
grain sorter	gǔwù fēnlèijī	谷物分类机
granite	huāgāngyán	花岗岩

granular	kēlìzhuàng	颗粒状
graphite	shímò	石 墨
grass	cǎo	草
gravel	lìshí	砾 石
gravimeter	zhònglìyí	重力仪
gravitation	wànyǒuyǐnlì	万有引力
gravity, gravitational force	yǐnlì	引 力
grease	yóugāo	油 膏
great extent	dàfúdù	大幅度
Great Leap Forward (1958-60)	dàyuèjìn	大跃进
great majority	dàduōshù de	大多数的
greater than	dàyú	大 于
greenbelt	líndài	林 带
greenhouse, hothouse	wēnshì	温 室
to grind	mózhì	磨 制
grinder	móchuáng	磨 床
ground resistance	dìdiànzǔ	地电阻
ground state	jītài	基 态
ground station	dìmiàn diàntái	地面电台
ground stress	dìmiàn yìngli	地面应力
(able to) grow in poor soil	nàijí	耐 瘠
growing season	shēngzhǎngqī	生长期
(in order to) guard against	yǐfángwànyī	以防万一
guidance and tracking system	zhìdǎo xìtǒng	制导系统
guiding principle, guideline	fāngzhēn	方 针

gynecological	fùkē	妇 科
gynecology	fùkēxué	妇科学

H

hailstorm	bīngbáo	冰 雹
to hamper, to obstruct	zǔnáo	阻 挠
hand operated	shǒudòng	手 动
hand tractor	shǒufú tuōlājī	手扶拖拉机
handicrafts	shǒugōngyè	手工业
haploid	dānbèitǐ (de)	单倍体(的)
haploid breeding	dānbèi yùzhǒng	单倍育种
happy to do something, joyful	yǒngyuè	踊 跃
harbor	hǎigǎng	海 港
hardened steel	yìnggāng	硬 钢
hardware	yìngjiàn	硬 件
hardy (winter hardy)	nàihán	耐 寒
to harness, to control	zhìlǐ	治 理
to harrow, harrowing	bàdì	耙 地
to harvest	shōugē	收 割
harvester	shōugējī	收割机
headache	tóutòng	头 痛
head-drop (of water)	luòchā	落 差
healing	yùhé	愈 合
health services, health care	yīliáo wèishēng	医疗卫生
heart	xīn(zàng)	心(脏)

heartbeat	xīntiào	心 跳
heart disease	xīnzàngbìng	心脏病
to heat, heating	jiāwēn	加 温
heat-exchanger	rèjiāohuànqì	热交换器
heat flow	rèliú	热 流
heat power	règōnglǜ	热功率
heat treatment	rèchǔlǐ	热处理
to heave, to bulge	lóngqǐ	隆 起
heavy machinery	zhòng(xíng) jīxiè	重(型)机械
heavy photon	zhòngguāngzǐ	重光子
hectare	gōngqǐng	公 顷
helical gear	luóxuán chǐlún	螺旋齿轮
to hemorrhage, hemorrhaging	wàichūxuè	外出血
herbal medicine, herbs	cǎoyào	草 药
herbicide	chúyǒujì	除莠剂
herdsman	mùmín	牧 民
hereditary, handed down by one's ancestors	jiāchuán (de)	家传(的)
hereditary characteristics	yíchuánxìng	遗传性
heredity	yíchuán	遗 传
heterogamete	yìxíng pèizǐ	异型配子
hexaploid	liùbèitǐ	六倍体
high energy	gāonéng	高 能
high energy (elementary particle) accelerator	gāonéng (lìzǐ) jiāsùqì	高能(粒子)加速器
high energy physics	gāonéng wùlǐxué	高能物理学

high (magnifying) power	gāobèishù	高倍数
high precision	gāojīngdù	高精度
high precision surveying instrument	gāojīngdù cèliáng yíqì	高精度测量仪器
high-pressure physics	gāoyā wùlǐ	高压物理
high protein food	gāodānwèi dànbáizhì shípǐn	高单位蛋白质食品
high temperature	gāowēn	高温
high top pressure technique (in steel making)	gāoyā liàngāng jìshù	高压炼钢技术
high voltage	gāoyā	高　压
high voltage transmission line	gāoyā diànxiàn	高压电线
highway	gōnglù	公　路
high yield	gāochǎn	高　产
high yield land	gāochǎntián	高产田
hillside	shānpō	山　坡
homogamete	tóngxíng pèizǐ	同型配子
hookworm	gōuchóng	钩　虫
hopper car	lòudǒuchē	漏斗车
hormone	jīsù (hēermèng)	激素〔荷尔蒙〕
horse	mǎ	马
horse power	mǎlì	马　力
horticultural	yuányì	园　艺
horticulturalist	yuányìxuéjiā	园艺学家
horticulture	yuányìxué	园艺学
hospital	yīyuàn	医　院
hospital ward	bìngfáng	病　房

hospitalization	zhùyuàn	住 院
hothouse, greenhouse	wēnshì	温 室
hot rolling	rèzhá	热 轧
hotspring	wēnquán	温 泉
houseware	jiātíng rìyòng qìmǐn	家庭日用器皿
human embyro, fetus	réntāi	人 胎
human excrement	rénfènniào	人粪尿
human gene	rénti jīyīn	人体基因
human physiology	rénti shēnglǐxué	人体生理学
human wastes, night soil (as fertilizer)	rénféi	人 肥
to humidify	zēngshī	增 湿
humus	fǔzhízhì	腐殖质
hundred million (100,000,000)	yì	亿
hybrid	zá(jiāo pǐn)zhǒng	杂(交品)种
hybrid bacteria	zázhǒng xìjūn	杂种细菌
hybrid lamb	zázhǒng gāoyáng	杂种羔羊
hybrid vigor	zázhǒng yōushì (zájiāo yōushì)	杂种优势〔杂交优势〕
hybridization	pèizhǒng	配 种
hydraulic	shuǐlì (yèyā) (yóuyā)	水力〔液压〕〔油压〕
hydraulic (electric) power hydroelectric power	shuǐlì fādiàn	水力发电
hydraulic press	yèyā yāchuáng (yóuyā yāchuáng)	液压压床〔油压压床〕
hydraulic transmission	yóuyā chuándòng	油压传动
hydrocarbon	tànqīng huàhéwù	碳氢化合物

hydroelectric powerplant	shuǐ(lì fā)diànzhàn	水(力发)电站
hydrogen bomb	qīngdàn	氢 弹
hydrogen sulfide	liúhuàqīng	硫化氢
hydrology	shuǐwén	水 文
hydropower	shuǐlì	水 力
hydroturbine	shuǐlúnjī	水轮机
hygiene	wèishēngxué	卫生学
hypothesis	jiǎshè	假 设

I

to identify, identification	shíbié	识 别
igneous rock	huǒchéngyán	火成岩
ignition system	diǎnhuǒ xìtǒng	点火系统
illumination	zhàomíng	照 明
immunity	miǎnyìlì	免疫力
immunization	miǎnyì	免 疫
immunology	miǎnyìxué	免疫学
impermeable	bùkěshèntòu (de)	不可渗透(的)
to implement concretely	luòshí	落 实
to implicate, to involve	qiānchědào	牵扯到
to import	jìnkǒu	进 口
importance	zhòngyàoxìng	重要性
to improve	gǎishàn	改善
impurity	zázhì	杂 质
in fact	shìshíshàng	事实上
in order to	yǐbiàn	以 便

in short	zǒngéryánzhī	总而言之
inadequate, won't help the matter	wújìyúshì	无济于是
incidence (of a disease)	huànbìnglǜ	患病率
incision	gēkǒu (dāokǒu)	割口〔刀口〕
to include, to comprise	bāokuò	包 括
income	shōurù	收 入
incontinence	shījìnzhèng	失禁症
independent, each takes care of his own affairs	gèzìwéizhèng	各自为政
independent development	zìlìfāzhǎn	自力发展
indirect, indirectly	jiànjiē	间 接
individually, alone	dāndúde	单独地
induction coil	diàngǎn xiànquān	电感线圈
inexhaustible	wúqióng wújìn	无穷无尽
infantile diarrhea	xiǎoér fùxiè	小儿腹泻
infected part	huànchù	患 处
infection	gǎnrǎn	感 染
inflammable	kěrán (de)	可燃(的)
inflammation	yán(zhèng)	炎(症)
influenza	liúxíngxìng gǎnmào	流行性感冒
infra-red (rays)	hóngwàixiàn	红外线
ingot	gāngdìng	钢 锭
ingredient, component	chéngfèn	成 分
to initiate, to sponsor, to organize	jǔbàn	举 办
injection	zhùshè	注 射
inland waterway	nèihé hángdào	内河航道

innovation, renovation	géxīn	革　新
inorganic	wújī	无　机
inorganic chemistry	wújī huàxué	无机化学
inorganic compound	wújī huàhéwù	无机化合物
inorganic material	wújīwù	无机物
input	shūrù	输　入
insect	kūnchóng	昆　虫
insecticide, pesticide	shāchóngjì (nóngyào)	杀虫剂〔农药〕
inseparable	líbukāi	离不开
isolation, separation	fēnlí	分　离
installed capacity	shèjì néngliàng	设计能量
institute	xuéyuàn	学　院
institute (research)	yánjiūsuǒ	研究所
Institute of Computer Technology	diànzǐ jìsuànjī jìshù xuéyuàn	电子计算机技术学院
Institute of Engineering Mechanics	gōngchéng jīxiè xuéyuàn	工程机械学院
Institute of Geology	dìzhì yánjiūsuǒ	地质研究所
Institute of Microbiology	wēishēngwù yánjiūsuǒ	微生物研究所
Institute of Rock Soil Mechanics	tǔshí jīxiè gōngchéng xuéyuàn	土石机械工程学院
institution, organization	jīgòu	机构
instrument	yíqì	仪　器
insulating properties	juérè xìngzhì	绝热性质
insulator	juéyuántǐ	绝缘体
insulin	yídǎosù	胰岛素
to integrate theory with practice	lǐlùn liánxì shíjì	理论联系实际

integrated circuit	jícheng dianlu	集成电路
intensity	qiángdu	强 度
intent, intention	yìtú	意 图
interaction	xiānghù zuòyong	相互作用
interchange	hùhuàn (dàiyòng)	互换〔代用〕
intercontinental ballistic missile	zhōujì dàndào dǎodàn	州际弹道导弹
intercropping	jiànzuò	间 作
to interfere with, to block, to obstruct	zǔài	阻 碍
intermediate boson	zhōngjiān bōsèzǐ	中间玻色子
intestine	cháng	肠
intramuscular injection	jīròu zhùshè	肌肉注射
intravenous injection	jìngmài zhùshè	静脉注射
invent	fāmíng	发 明
investigation (general)	pǔchá	普 查
to involve, to implicate	qiānchědào	牵扯到
iodine	diǎn	碘
ion	lízǐ	离 子
ion-exchange membrane	lízǐ jiāohuànmó	离子交换膜
ion implantation	lízǐ zhùrù	离子注入
ionic character	lízǐ tèxìng	离子特性
ionic impurity	lízǐ zázhì	离子杂质
ionization	diànlí	电 离
ionizing radiation	diànlí fúshè	电离辐射
iron	tiě	铁
iron and steel industry	gāngtiě gōngyè	钢铁工业

iron filings	feitiexie	废铁屑
iron ore	tiekuang	铁 矿
to irradiate	fuzhao	辐 照
to irrigate, irrigation	guangai	灌 溉
irrigation and drainage equipment	paiguan shebei	排灌设备
irrigation canal	qu	渠
isoseismic lines	dengzhenxian	等震线
isotope	tongweisu	同位素
itself, in itself	benshen	本 身

J

jet aircraft	penqishi feiji	喷气式飞机
jet propulsion	penqituijin	喷气推进
Joint Institute of Nuclear Studies	lianhehezi yanjiusuo	联合核子研究所
Mt. Jolmo Lungma (Mt. Everest)	zhumulangmafeng	珠穆朗玛峰
joule(s)	jiaoer	焦 耳
journal, periodical	kanwu	刊 物
joyful, happy to do something	yongyue	踊 跃

K

kaoliang	gaoliang	高 粱
key (a part in machinery)	jian	键
key, crux (of problem)	guanjian	关 键
key-punch card	jiankong chuankong kapian	键控穿孔卡片

kidney	shèn	肾
kidney failure	shènshuāijié	肾衰竭
kilogram	gōngjīn	公 斤
kilometer	qiānmǐ	千 米
kilowatt	qiānwǎ (qiān)	千瓦〔瓩〕
kilowatt hour	qiānwǎ xiǎoshí	千瓦小时
kinetic energy	dòngnéng	动 能
knee	xīgài	膝 盖

L

laboratory	shíyànshì	实验室
laboratory technique	shíyàn jìshù	实验技术
ladle	zhùsháo	铸 勺
lake	hú(pō)	湖(泊)
land under cultivation	gēngdì	耕 地
land use	tǔdì lìyòng	土地利用
landslide	tāfāng	塌 方
larynx	hóu	喉
laser	jīguāng (láisāi)	激光〔莱塞〕
laser cutting tool	jīguāng qiēgēqì	激光切割器
laser glass	jīguāng bōli	激光玻璃
laser range-finder	jīguāng cèjùyí	激光测距仪
later part of an era	hòuqī	后 期
lathe	chēchuáng	车 床
lathe operator	chēgōng	车 工
to launch, to transmit	fāshè	发 射

to lay a firm foundation	diànding	奠 定
layman	wàihángrén	外行人
leached	línróng (de)	淋溶(的)
leaching	tǔrang línróng	土壤淋溶
to lead to, to result in, to cause	dǎozhì	导 致
leading, guiding	zhǔdǎo	主 导
leaf blight	kūwěibìng	枯萎病
leak	lòu	漏
leakage	lòuxiè	漏 泄
(by) leaps and bounds	fēiyuè	飞 跃
legume	dòukē zhíwù	豆科植物
lens	jìngtóu	镜 头
lens element	jìngpiàn	镜 片
lepton	qīngzǐ	轻 子
leukemia	báixuèbìng	白血病
leukocyte , white blood cell	báixuèqiú	白血球
leukocyte count	báixuèqiú jìshù	白血球计数
leukorrhea	báidài	白 带
level gauge	shuǐpíngyí	水平仪
lever	gànggǎn	杠 杆
life line	mìngmài	命 脉
life sciences	shēngwù kēxué	生物科学
life span	shòuming	寿 命
light source	guāngyuán	光 源
lightning	shǎndiàn	闪 电
limb (of body)	zhītǐ	肢 体
limb replantation, reimplantation of severed limbs	duànzhī zàizhí	断肢再植

limbs (of body, collectively)	sìzhī	四 肢
limestone	shíhuīyán	石灰岩
limited, restricted, finite	yǒuxiàn (de)	有限(的)
lining (furnace)	lútáng	炉 膛
link	huánjié	环 节
liquid	yètǐ	液 体
liquid crystal	yèjīng	液 晶
liquid state	yètài	液 态
liquid waste	yètǐ fèiliào (fèiyè)	液体废料〔废液〕
liver	gān	肝
liver fluke	gānzhì	肝 蛭
living substance	shēngwù	生 物
load capacity	zàihélì	载荷力
loader, roller (construction)	yàlùjī	压路机
loading, feeding (a furnace)	zhuāngliào	装 料
local, native	běndì de	本地的
local anesthesia	júbù mázuì	局部麻醉
local organization	dìfāng jīgòu	地方机构
locally, on the spot	jiùdì	就 地
locomotive	jīchē	机 车
loess, loessal soil	huángtǔ	黄 土
loess plateau	huángtǔ gāoyuán	黄土高原
long range, long term	chángqī	长 期
longwall (mining technique)	chángbì(fǎ)	长壁(法)
long wave and short wave	chángduǎnbō	长短波

low-grade ore	dīpǐn kuàngshí	低品矿石
low sulphur content	liú hánliàng dī	硫含量低
low-temperature physics	dīwēn wùlǐ	低温物理
low-voltage electrical charge	dīyā diànhé	低温电荷
lubricant	rùnhuájì	润滑剂
lubricant (oil-base)	rùnhuáyóu	润滑油
to lubricate, lubrication	rùnhuá	润 滑
lung	fèi	肺
lymph node	línbājié	淋巴结

M

macadam, crushed stone	suìshí	碎 石
machine building	jīqì zhìzào	机器制造
machine component	jījiàn	机 件
machine design	jīxiè shèjì	机械设计
machine shop, workshop	chējiān	车 间
machine tool	gōngzuò mǔjī	工作母机
machine tool factory	jīgōngchǎng	机工厂
machinery	jīxiè	机 械
machinist	jīgōng	机 工
magnesium	měi	镁
magnet	cítiě	磁 铁
magnetic	cíxìng	磁 性
magnetic field	cíchǎng	磁 场
magnetic tape	cídài	磁 带
magnetism (as a field of study)	cíxué	磁 学

magnetite	cítiěkuàng	磁铁矿
magnetometer	cíliyí	磁力仪
magnifying power	bèishù	倍 数
mainly, in the main, on the whole	dàtǐshàng	大体上
maintain	bǎoyǎng	保 养
maintenance and repair	wéixiū (wéihù xiūlǐ)	维修〔维护修理〕
maize, corn	yùshǔshu	玉蜀黍
majority, most	duōbàn	多 半
malaria	nüèjí	疟 疾
male sterility	xióngxìng búyùxìng	雄性不育性
malignant tumor	èxìng zhǒngliú	恶性肿瘤
to manage, management, to govern, to administer	guǎnlǐ	管 理
manganese	měng	锰
manpower and material resources	rénlì wùlì	人力物力
manure (as fertilizer)	fènféi	粪 肥
map	dìtú	地 图
mapping	zhìtú	制 图
marble	dàlǐshí	大理石
marker	biāozhì	标 志
marsh gas	zhǎoqì (jiǎwán)	沼气〔甲烷〕
mass	zhìliàng	质 量
mass spectrometer	zhìpǔyí	质谱仪
massage	ànmó	按 摩
material	wùzhì	物 质

to mean, to signify, to imply	yìwèizhe	意味着
to measure	liáng	量
to measure, to survey	cèliáng	测 量
mechanical engineer	jīxiè gōngchéngshī	机械工程师
mechanical engineering	jīxiè gōngchéng	机械工程
mechanically operated	jīdòng	机 动
mechanics	lìxué	力 学
mechanization	jīxièhuà	机械化
medical apparatus	yīliáo qìxiè	医疗器械
medical instrument	yīliáo qìcái	医疗器材
medical personnel	yīwù rényuán	医务人员
medical school	yīxuéyuàn	医学院
medicinal plant	yàoyòng zhíwù	药用植物
megawatt	zhàowǎ	兆 瓦
melting point	róngdiǎn	熔 点
member (of a group)	chéngyuán	成 员
membrane	mó	膜
meningitis	nǎomóyán	脑膜炎
menstrual period	yuèjīng	月 经
mercury	gǒng (shuǐyín)	汞〔水银〕
mercury, column of	gǒngzhù (shuǐyínzhù)	汞柱〔水银柱〕
to merge with, to unite with, to put together	guībìng	归 并
merit, virtue, excellence	yōudiǎn	优 点
meromorthic function	yàhánshù	亚函数
meson	jièzǐ	介 子
message	xìnxī	信 息

metabolic disorder	daixiè shītiáo	代谢失调
metal processing	jīnshǔ jiāgōng	金属加工
metalized electrical connection	tújīnshǔ diànjiētóu	涂金属电接头
metallic mineral	jīnshǔ kuàngwù	金属矿物
metallurgical	yějīn	冶 金
metallurgical chemistry	yějīn huàxué	冶金化学
metallurgical industry	yějīn gōngyè	冶金工业
metallurgy	yějīnxué	冶金学
metamorphic rock	biànzhìyán	变质岩
metamorphism	biànzhì	变 质
meteorology	qìxiàng(xué)	气象(学)
meter (measure)	mǐ (gōngchǐ)	米〔公尺〕
meter (instrument)	yíbiǎo	仪 表
meter component	yíbiǎo língjiàn	仪表零件
methane	jiǎwán	甲 烷
methane digester, biogas digester	zhǎoqìchí	沼气池
methanol	jiǎchún	甲 醇
metric ton	gōngdūn	公 吨
micro-analysis	wēiliàng fēnxī	微量分析
microbiology	wēishēngwùxué	微生物学
microscope	xiǎnwēijìng	显微镜
microwave	wēibō	微 波
milestone	lǐchéngbēi	里程碑
military deterrent capability	jūnshì wēishè lìliàng (jūnshì hèzǔ lìliàng)	军事威慑力量 〔军事吓阻力量〕
military science	jūnshì kēxué	军事科学

millet	xiǎomǐ	小 米
millimeter	háomǐ	毫 米
milling	niǎnmò	碾 磨
milling machine	xǐchuáng	铣 床
to mine, mining	cǎikuàng (kāikuàng)	采矿〔开矿〕
mine	kuàngchǎng	矿 场
mine shaft	kuàngjǐng	矿 井
mineral	kuàngwù	矿 物
mineral fertilizer	kuàngwù féiliào	矿物肥料
mineral geologist	kuàngwù dìzhìxuéjiā	矿物地质学家
mineral prospecting	kuàngwù kāntàn	矿物勘探
mineral resources, deposits	kuàngcáng	矿 藏
minimum, least	qǐmǎ de	起码的
ministries (of government)	zhōngyāng gèbù	中央各部
missed a menstrual period	bìjīng	闭 经
missile	dǎodàn	导 弹
mitochondrium	lìxiàntǐ	粒线体
mixed seeds	zájiāo zhǒngzi	杂交种子
mixed with	chānhézhe	掺合着
mixture	hùnhéwù	混合物
model	móxíng	模 型
moderating material	mànhuàjì (huǎnhéjì)	慢化剂〔缓和剂〕
to modernize, modernization	xiàndàihuà	现代化

moisture content	hánshuǐliàng (shīliàng)	含水量〔湿量〕
molding	zàoxíng	造型
molecular, molecule	fēnzǐ	分 子
molecular level	fēnzǐjí	分子级
molecular sieve	fēnzǐshāi	分子筛
molecular structure	fēnzǐ jiégòu	分子结构
molecular weight	fēnzǐliàng	分子量
molybdenum	mù	钼
momentum	dòngliàng	动 量
monitoring equipment	jiānkòngqì	监控器
monkey	hóu	猴
monochromaticity	dānsèxìng	单色性
mono-crystal, single crystal	dānjīngtǐ	单晶体
mono-crystal furnace	dānjīnglú	单晶炉
monoploid breeding	dānbèitǐ péiyù	单倍体培育
to monopolize, monopoly	lǒngduàn	垄 断
mortality rate	sǐwánglǜ	死亡率
most, mostly, majority	duōbàn	多 半
most, great many, great majority	dàduōshù de	大多数的
most urgent, imminent, pressing	kèbùrónghuǎn (de)	刻不容缓(的)
motor, engine	mǎdá (fādòngjī)	马达〔发动机〕
mountain climber	dēngshānduìyuán	登山队员
moxibustion	àijiǔ	艾 灸
muck	fǔzhítǔ	腐植土

mudflow	níliú	泥　流
multi-piered bridge	duōdūnchiáo	多墩桥
multiple cropping	fùzhòng	复　种
multiple cropping cycle	fùzhòngqī	复种期
muscle	jīròu	肌　肉
muscle cramp	jīròu jìngluán	肌肉痉挛
mutation	tūbiàn	突　变

N

nasal cavity	bíqiāng	鼻　腔
native, local	běndì de	本地的
native or locally manufactured goods	guóchǎn	国　产
natural calamity	tiānrán zāihài	天然灾害
natural conditions	zìrán tiáojiàn	自然条件
natural conservation area or region	tiānrán zīyuán bǎohùqū	天然资源保护区
natural fertilizer	zìrán féiliào	自然肥料
natural gas	tiānrán(méi)qì	天然(煤)气
natural material	zìrán wùzhì	自然物质
natural resource	tiānrán zīyuán	天然资源
natural science	zìrán kēxué	自然科学
nature	dàzìrán	大自然
nauseous	ěxīn	恶　心
navigation	dǎoháng (hánghǎi)	导航〔航海〕
neck	jǐng	颈

negative	fù	负
neglect	hūshì	忽 视
Neocathasian system	xīnhuáxiàxì	新华夏系
neodymium glass laser	rǔbōlí jīguāngqì	钕玻璃激光器
nerve	shénjīng	神 经
neurosurgery	shénjīng wàikē	神经外科
neutron	zhōngzǐ	中 子
nickel	niè	镍
night soil	fènbiàn	粪 便
nitrate	xiāosuāngēn (xiāosuānyán)	硝酸根〔硝酸盐〕
nitrogen	dàn(qì)	氮(气)
nitrogenous fertilizer	dànféi	氮 肥
nitrogen-fixing bacteria	gùdàn xìjūn	固氮细菌
no matter what	wúlùn	无 论
non-carbon	wútàn	无 碳
non-commercial	fēishāngpǐn	非商品
non-electrolyte	fēidiànjiězhì	非电解质
non-ferrous metal	yǒusè jīnsǔ	有色金属
non-magnetic ore	fēicí kuàngshí	非磁矿石
non-professional, amateur	fēizhuānyè (yèyú)	非专业〔业余〕
nonsense, absurd	miùlùn	谬 论
non-surgical treatment	fēiwàikē zhìliáofǎ	非外科治疗法
nose	bízi	鼻 子
nuclear...	hé (hézǐ)	核〔核子〕
nuclear detonation	hébào	核 爆
nuclear energy	hénéng	核 能

nuclear fission	héliébiàn	核裂变
nuclear fusion	héjùbiàn	核聚变
nuclear physics	yuánzǐhe wùlǐ (hézǐ wùlǐxué)	原子核物理〔核子物理学〕
nuclear power station	hédiànzhàn (yuánzǐnéng fādiànzhàn)	核电站〔原子能发电站〕
nuclear reactor	yuánzǐ fǎnyìngduī (héfǎnyìngduī)	原子反应堆〔核反应堆〕
nuclear weapon	hé(zǐ) wǔqì	核子武器
nucleic acid	hésuān	核 酸
nucleon, nucleus	hézǐ	核 子
nucleotide	hégānsuān	核苷酸
nutrient	yǎngfèn	养 分
nylon	nílóng	尼 龙

O

objective, target	duìxiàng	对 象
to observe, observation	guānchá	观 察
to obstruct, to impede (by people or nature)	zǔài	阻 碍
to obstruct, to interfere (by people only)	zǔnáo	阻 挠
obvious, evident	xiǎnéryìjiàn	显而易见
occasionally	jiànhuò	间 或
occupational disease	zhíyèxìng jíbìng	职业性疾病
to occur	fāshēng	发 生

ocean liner, ocean-going ship	yuǎnyáng lúnchuán	远洋轮船
oceanography	hǎiyángxué	海洋学
odor	chòuwèi	臭 味
to offer, to give	gěiyǔ	给 与
official, formal	zhèngshì (de)	正式(的)
oil (lubrication)	jīyóu	机 油
oil field	yóutián	油 田
oil refinery	liànyóuchǎng	炼油厂
oil-resistant	kàngyóu (de)	抗油(的)
oil storage tank	chǔyóuguàn (chǔyóu chí)	储油罐〔储油池〕
oil well drilling	zuànjǐng	钻 井
oil well rig	dǎ yóujǐng jī	打油井机
olefin(e)	xījīng	烯 烃
on the whole	zǒng de láishuō	总的来说
oncology	liúxué	瘤 学
one by one, item by item	zhúyī	逐 一
only, solely, single	wéiyī	唯 一
open heart surgery	xīnzàng shǒushù	心脏手术
open hearth furnace	pínglú	平 炉
open pit mining	lùtiān kāicǎi	露天开采
to open up barren land for farming	kěnhuāng	垦 荒
to operate	cāozuò	操 作
operation (surgical)	shǒushù	手 术
operation, calculation	yùnsuàn	运 算

ophthalmological	yǎnkē (de)	眼科(的)
ophthalmologist, eye specialist	yǎnkē zhuānjiā	眼科专家
optical instrument	guāngxué yíqì	光学仪器
optics	guāngxué	光　学
oral administration	kǒufú	口　服
oral cavity	kǒuqiāng	口　腔
orbit	guǐdào	轨　道
order (in a series)	cìxù	次　序
ordinary, general, common	yìbānxìng	一般性
ore	kuàngshí	矿　石
organ (of the body)	qìguān	器　官
organic chemistry	yǒujī huàxué	有机化学
organic fertilizer	yǒujī féiliào	有机肥料
organic mercury compound	yǒujī gòng huàhéwù	有机汞化合物
organic pharmaceutical	yǒujī yàowù	有机药物
organic structure, organization	biānzhì	编　制
organic waste	yǒujī fèiwù	有机废物
organism	huótǐ	活　体
organismal level	zhěngtǐjí	整体级
organization, public body	tuántǐ	团　体
origin, background, past history	láilì	来　历
original condition	yuánzhuàng	原　状
orthopedic surgery	jiǎoxíng shǒushù	矫形手术
orthopedics	jiǎoxíngshù	矫形术
oscilloscope	yíngguāngpíng (shìbōqì)	荧光屏〔示波器〕

otitis media	zhōngěryán	中耳炎
output	shūchū	输 出
output rate, rate of output	shūchūlǜ	输出率
overall planning	quánmiàn guīhuà	全面规划
overall program or plan	quánpán jìhuà	全盘计划
overcome	kèfú	克 服
overhead crane	tiānchē (gāojià qǐzhòngjī)	天车〔高架起重机〕
overheating	guòrè	过 热
ovum, egg	luǎn	卵
owing to, due to, because of	yóuyú	由 于
oxygen	yǎng(qì)	氧(气)
oxygen convertor	yǎngqì zhuǎnlú	氧气转炉
oxygen lancing	yǎngqì pēnjù	氧气喷炬

P

pace, step	bùfá	步 伐
pain	tòng	痛
paleoanthropology	gǔrénlèixué	古人类学
paleontologist	gǔshēngwùxuéjiā	古生物学家
to palpate	chùzhěn	触 诊
pancreas	yíxiàn	胰 腺
panda bear, panda	xióngmāo	熊 猫
paraffin, wax	shílà	石 腊
paralysis	mábì	麻 痹

parameter	cānshù	参 数
para-professional	zhuānyè fǔzhù rényuán	专业辅助人员
parasitic disease	jìshēngchóngbìng	寄生虫病
parasitology	jìshēngchóngxué	寄生虫学
part (of a machine)	língjiàn	零 件
particle property	lìzǐxìng	粒子性
parts and accessories (of meters, radios, etc.)	yuánjiàn	元 件
patellar (knee) reflex	xītiào fǎnshè	膝跳反射
pathology	bìnglǐxué	病理学
patient (medical)	bìngrén (huànzhě)	病人〔患者〕
peace	hépíng	和 平
peanut	huāshēng	花 生
peat	níméi	泥 煤
pedology	tǔrǎngxué	土壤学
Peking Union Medical College	běijīng xiéhé yīxuéyuàn	北京协和医学院
pelvis, pelvic	gǔpán	骨 盘
penicillin	qīngméisù (pánnǐxīlín)	青霉素〔盘尼西林〕
peptide	suōānsuān	缩氨酸
to percolate, percolation	(shèn)lǜ	(渗)滤
percolation of water through sand	shātǔ lǜshuǐ	沙土滤水
perforation of tympanic membrane	gǔmó chuānkǒng	鼓膜穿孔

performance (of equipment), property, attribute	xìngnéng	性 能
periodical, journal, magazine	kānwù	刊 物
permeability	shèntòuxìng	渗透性
permeable	kěshèntòu (de)	可渗透(的)
personally, in person	qīnshēn	亲 身
personnel	rényuán	人 员
pesticide, insecticide	shāchóngjì (nóngyào)	杀虫剂〔农药〕
petro-chemical complex	shíyóu huàxué zōnghé qǐyè	石油化学综合企业
petro-chemical industry	shíyóu huàxué gōngyè	石油化学工业
petroleum	shíyóu	石 油
petroleum geology	shíyóu dìzhìxué	石油地质学
pH value	suānjiǎndù	酸碱度
pharmaceutical	yàojì	药 剂
pharmaceutical factory	zhìyàochǎng	制药厂
pharmaceutical industry	zhìyào gōngyè	制药工业
pharmacology (materia medica)	yàowùxué	药物学
phase, stage	jiēduàn	阶 段
phenobarbital	běnbābìtuǒ	苯巴比妥
phosphate	línsuānyán	磷酸盐
phosphate fertilizer	línféi	磷 肥
phosphorus	lín	磷
photo-conduction property	guāngdiàndǎoxìng	光电导性
photoengraving, photogravure	zhàoxiàng zhìbǎn	照相制版
photoengraving technique	guāngkè zuòyè	光刻作业
photography	zhàoxiàng	照 相

photolithograph	zhàoxiàng píngbǎn yìnshuā	照相平板印刷
photon	guāngzǐ	光 子
photo-produced particle	guāngshēng lìzǐ	光生粒子
photo-reduction	zhàoxiàng suōxiǎo	照相缩小
photo-sensitive resistor	guāngmǐn diànzǔ	光敏电阻
photo-sensitivity	gǎnguāngxìng	感光性
photosynthesis	guānghé zuòyòng	光合作用
phototube	guāngdiànguǎn	光电管
physical faculties (of humans)	guānnéng	官 能
physical labor	tǐlì láodòng	体力劳动
physical therapy	lǐliáo (wùlǐ zhìliáo)	理疗〔物理治疗〕
physics, physical science	wùlǐ (xué)	物理(学)
physiological	shēnglǐshang de	生理上的
physiology	shēnglǐxué	生理学
pier	qiáodūn	桥 墩
pig, swine	zhū	猪
pig iron	shēngtiě	生 铁
to pile up	lěi	垒
pill (medicinal)	yàopiàn	药 片
pin (industrial)	xiāozi	销 子
pipe	guǎn	管
pipeline	(shū)yóuguǎn	(输)油管
pitch (of a gear)	chǐjié	齿 节
PLA Academy of Military Sciences	rénmín jiěfàngjūn jūnshì kēxué yánjiūyuàn	人民解放军军事科学研究院

plan, program	fāngàn	方 案
plane (machine), planer	bàochuáng	刨 床
to plant	zāipéi (zhòngzhí)	栽 培〔种植〕
plant, complete set of plant equipment, a whole plant	chéngtào gōngchǎng (shèbèi)	成套工厂(设备)
plant (botanical)	zhíwù	植 物
plant breeding, seed breeding	yùzhǒng	育 种
plant pathology	zhíwù bìnglǐxué	植物病理学
plant physiology	zhíwù shēnglǐxué	植物生理学
plant protection	zhíwù bǎohù	植物保护
plasma	děnglízǐtǐ	等离子体
plastic	sùliào	塑 料
plateau	gāoyuán	高 原
pliers	qiánzi	钳 子
to plow	gēngzhòng	耕 种
plutonium 239	pǔ ersānjiǔ	钚239
pneumatic drill	fēngzuàn (qìzuàn)	风钻〔气钻〕
pneumatic slammer	qìchuí	气 锤
pneumonia	fèiyán	肺 炎
point at issue, point of discussion	lùndiǎn	论 点
point of view, viewpoint	guāndiǎn	观 点
(to be) poisoned	zhòngdú	中 毒
polarity	jíxìng	极 性
policy	zhèngcè	政 策
to polish	pāoguāng	抛 光
pollen	huāfěn	花 粉

pollen culture	huāfěn shòujīng	花粉受精
pollution	wūrǎn	污　染
polyester	jùzhǐ	聚　酯
polymer	jùhé	聚　合
polymer chemistry	jùhé(wù) huàxué	聚合(物)化学
polymerization	jùhé zuòyòng	聚合作用
to popularize, to propagate	tuīguǎng	推　广
porcelain	cí	瓷
portland cement	guīsuānyán shuǐní	硅酸盐水泥
positive	zhèng	正
positive charge	zhèngdiànhé	正电荷
positively charged	dàizhèngdiàn de	带正电的
possibility	kěnéngxìng	可能性
post	gǎngwèi	岗位
potash	jiǎjiǎn	钾　碱
potassium	jiǎ	钾
potato	mǎlíngshǔ (tǔdòu)	马铃薯〔土豆〕
poultry	jiāqín	家　禽
to pour, pouring	jiāozhù	浇　注
powdered	fěnzhuàng	粉　状
power	gōnglǜ	功　率
power equipment	diànlì shèbèi	电力设备
power generation	fādiàn	发　电
power pump	jīdòng chōushuǐjī	机动抽水机
power station, powerplant	fādiànzhàn	发电站
power transmission	shūdiàn	输　电
practical experience	shíjì jīngyàn	实际经验

practical value	shíyong jiàzhí	实用价值
to practice	shíxí	实 习
precipitation, rainfall	(jiàng)yǔliàng	(降)雨量
precision instrument	jīngmì yíqì	精密仪器
precision optical instrument	jīngmì guāngxué yíqì	精密光学仪器
prediction, forecast	yùbào	预 报
pregnant	huáiyùn	怀 孕
preliminary, initial	chūbù (de)	初步(的)
preliminary proposal	chūbù fāngàn	初步方案
to prescribe (medical)	kāi yàofāng	开药方
to prescribe, to stipulate	guīdìng	规 定
to present, to submit	tíchū	提 出
press, pressing machine	yāchuáng	压 床
pressing obligation	dāngwùzhījí	当务之急
pressure	yālì (yāqiáng)	压力〔压强〕
pressure gauge	yālìjì (yālìbiǎo)	压力计〔压力表〕
prestige, reputation	shēngyù	声 誉
pre-stressed	yùyìnglì	预应力
prevent, preventive	yùfáng	预 防
prevention and treatment (of disease)	fángzhì gōngzuò	防治工作
primary task	shǒuyào rènwu	首要任务
principle	yuánzé	原 则
probability	jīlǜ (kěnéngxìng)	几率〔可能性〕
process	guòchéng	过 程
to produce, to create	chǎnshēng	产 生
producer	shēngchǎnzhě	生产者

production	shēngchǎn	生 产
productivity	shēngchǎnlì	生产力
professional person	zhuānyè rényuán	专业人员
professional society	xuéhuì	学 会
progeny	hòudài	后 代
program, plan	jìhuà	计 划
to promote, to further, to stimulate	cùjìn	促 进
property, characteristic	xìngzhì	性 质
proportion	bǐlì (bǐlǜ)	比例〔比率〕
proposal	fāngàn	方 案
propylene	bǐngxī	丙 烯
prospecting (prospecting team)	dìzhì kāntàn(duì)	地质勘探(队)
protection	bǎohù	保 护
protective coating	fánghùcéng	防护层
protective greenbelt	fánghù líndài	防护林带
protein	dànbáizhì	蛋白质
proton	zhìzǐ	质 子
to prove, to verify (experimentally)	yànzhèng	验 证
provincial	shěngjí	省 级
public hygiene, public health	gōnggòng wèishēng	公共卫生
to publish (book, magazine)	chūbǎn	出 版
to publish (article), to issue	fābiǎo	发 表
pulley	huálún	滑 轮
pulmonary disease	fèibìng	肺 病

pulse	màibó	脉 搏
pulse fashion	màichōng fāngshì	脉冲方式
pump (general)	bèng	泵
pump (water)	shuǐbèng	水 泵
pumping station	chōufàngzhàn	抽放站
pupil (of the eye)	tóngkǒng	瞳 孔
pure, absolute	juéduì	绝 对
purely, solely	dān	单
purification	jìnghuà	净 化
Purple Mountain	zǐjīnshān	紫金山
to put into practice, to put into effect	fùzhūshíshī	付诸实施
to put into production	tóuchǎn	投 产
to put on a firm basis, to lay a firm foundation	dìngdìng	奠 定

Q

qualitative analysis	dìngxìng fēnxī	定性分析
quality control	pǐnzhì guǎnzhì	品质管制
quantitative theory	dìngliàng yuánlǐ	定量原理
in quantity	shùliàngshàng	数量上
quantity of earth (measured in cubic meters)	tǔfāng	土 方
quantum electronics	liàngzǐ diànzǐxué	量子电子学
quantum number	liàngzǐshù	量子数
quasi-stable strong magnetic field	zhǔnwěndìng qiánglì cíchǎng	准稳定强力磁场
quinine	niǎopiāolíng	鸟嘌呤

R

radar	léidá	雷　达
radiation	fúshè	辐　射
radiation-induced polymerization	fúshè yòudǎo jùhé zuòyòng	辐射诱导聚合作用
radiation leakage	fúshè lòuxiè	辐射漏泄
radio	wúxiàndiàn	无线电
radio astronomy telescope	shèdiàn tiānwén wàngyuǎnjìng	射电天文望远镜
radio electronics	wúxiàndiàn diànzǐxué	无线电电子学
Radio Engineering and Electronics Institute	wúxiàndiàn diànzǐ gōngchéng xuéyuàn	无线电电子工程学院
radio physics	wúxiàndiàn wùlǐ	无线电物理
radio receiver	shōuyīnjī	收音机
radioactivity	fàngshèxìng	放射性
radio-isotope	fàngshèxìng tóngwèisù	放射性同位素
railway	tiělù	铁　路
railway spur	tiělù chàdào	铁路叉道
rainfall	yǔliàng	雨　量
rainwater	yǔshuǐ	雨　水
to raise, to breed	sìyǎng	饲　养
ramp	xiémiàn	斜　面
rampant, on the rampage, raging	chāngjué	猖　獗

rapeseed	yóucàizǐ	油菜子
rare	hān(yǒu)	罕(有)
rare-earth element	xītǔ yuánsù	稀土元素
rate of flow	liúliàng	流　量
rate of increase, rate of growth	zēngzhǎnglǜ	增长率
rate of occurrence	fāshēnglǜ	发生率
rate of output, output rate	shūchūlǜ	输出率
rational	lǐxìng (dé)	理性(的)
rational cognition	lǐxìng rènshí	理性认识
raw material	yuánliào	原　料
ray	shèxiàn	射　线
reaction	fǎnyìng	反　应
reaming device	jiǎokǒng shèbèi	铰孔设备
to receive	jiēshōu	接　收
receiver	jiēshōujī	接收机
recombinant DNA	DNA chóngzǔtǐ	DNA重组体
reconstructive surgery	chóngjiàn wàikē	重建外科
to recover, to find	huíshōu (shōuhuí)	回收〔收回〕
red blood cell, erythrocyte	hóngxuèqiú	红血球
to refine	tíliàn	提　炼
refined oil or gasoline	liànyóu	炼　油
refinery (general)	tíliànchǎng	提炼厂
refinery (oil)	liànyóuchǎng	炼油厂
reflector	fǎnzhéyí	反折仪
reflex	fǎnshè	反　射
reforestation	zhíshù zàolín	植树造林
refraction	zhéshè	折　射

refractory, heat resistant	nàihuǒ	耐 火
refractory brick	nàihuǒzhuān	耐火砖
refrigerator	diànbīngxiāng	电冰箱
regional	dìfāngjí	地方级
regulator	tiáojiéqì	调节器
reimplantation of severed limbs, limb replantation	duànzhī zàizhí	断肢再植
reinforced concrete	gāngjīn hùnníngtǔ	钢筋混凝土
related, connected	xiāngguān (de)	相关(的)
to relay	zhuǎnsòng (zhuǎnbō)	转送〔转播〕
relay station	zhuǎnbōzhàn	转播站
to release, to discharge	shìfàng	释 放
relevant	yǒuguān (de)	有关(的)
to rely on	jièzhòng	借 重
to rely on local resources	jiùdìqǔcái	就地取材
remote control	yáokòng	遥 控
to repair	xiū(lǐ)	修(理)
repair shop	xiūpèichǎng	修配厂
repetitious, redundant	diéchuángjiàwū	叠床架屋
replant (after first crop)	fùzhòng	复 种
replantation of severed limbs	duànzhī zàizhí	断肢再植
reproduction, reproductive	shēngzhí	生 殖
reproductive cell	shēngzhí xìbāo	生殖细胞
repulsion force	páichìlì	排斥力
reputation, prestige	shēngyù	声 誉
research base, research station	yánjiūzhàn	研究站
reservoir	shuǐkù	水 库
reservoir rock	chǔjī yáncéng	储积岩层

resin	shùzhī	树 脂
resistance	dǐkàngli	抵抗力
resistance to adverse natural conditions	kàngnìxìng	抗逆性
resistant to flood	kànglào	抗 涝
resistant to insect pests	kàngchóng	抗 虫
resistant to lodging	kàng dǎofú (kàngfēng)	抗倒伏〔抗风〕
resistor	diànzǔ(qì)	电阻(器)
resonance	gòngzhèn	共 振
resources	zīyuán	资 源
respectively	fēnbié (de)	分别(地)
respiratory, respiration	hūxī	呼 吸
respiratory organ	hūxī qìguān	呼吸器官
respiratory system	hūxī xìtǒng	呼吸系统
result, achievement, record	chéngjī	成 绩
retaining ring	kòuhuán	扣 环
retina	shìwǎngmó	视网膜
to reveal, to appear, to show	xiǎn(shì)chū	显(示)出
revisionism	xiūzhèng zhǔyì	修正主义
rib	lèigǔ	肋 骨
rice	shuǐdào	水 稻
rice blast	dàowēnbìng	稻瘟病
rice plant disease	dàogǔbìng	稻谷病
rice seedling	dàoyāng	稻 秧
rice seedling transplanting machine	chāyāngjī	插秧机
to ripen	chéngshú	成 熟

river	héliú	河 流
riverbed, river floor	héchuáng	河 床
to rivet, riveting, riveted	mǎojiē	铆 接
RNA (ribonucleic acid)	hétángsuān	核糖酸
rock	yánshí	岩 石
rocker arm	yáobì	摇 臂
rocket	huǒjiàn	火 箭
rodent	nièchǐ dòngwù	啮齿动物
role in a play, a character	juésè	角 色
roller, steam roller	yālùjī	压路机
roller bearing	gǔnzhù zhóuchéng	滚柱轴承
rolling mill (factory)	zhágāngchǎng	轧钢厂
rolling mill (machine)	gǔnzhájī	滚轧机
rolling shop	gǔnzhá chējiān	滚轧车间
rolling steel products	gǔnzhá gāngzhìpǐn	滚轧钢制品
room-and-pillar (mining technique)	fángzhù (cǎiméifǎ)	房柱(采煤法)
room temperature superconductor	shìwēn chāodǎotǐ	室温超导体
root plant	kuàigēn zhíwù	块根植物
to rotate, rotation	lúnliú	轮 流
rotor	zhuànzi	转 子
rubber	xiàngjiāo	橡 胶
ruby laser	hóngbǎoshí jīguāngqì	红宝石激光器
runoff	shuǐfèn liúshī	水分流失
runway	pǎodào	跑 道
rural electrification	nóngcūn diànqìhuà	农村电气化
rust (botanical disease)	xiùbìng	锈 病

rye	hēimài	黑 麦

S

safety	ānquán	安全
salinization	yánzì (zuòyòng) (yánhuà zuòyòng)	盐渍(作用)〔盐化(作用)〕
salt	yán(lèi)	盐(类)
to sample	quyàng jiǎnyàn (chōuyàng jiǎnyàn)	取样检验〔抽样检验〕
sand	shātǔ	沙 土
sand casting	shāzhù	砂 铸
sandstone	shāyán	沙 岩
sanitation	wèishēng	卫 生
sapling, seedling	línmiáo	林 苗
satellite	wèixīng	卫 星
satellite ground-station	wèixīng dìmiàn diàntái	卫星地面电台
to satisfy	mǎnyì	满 意
satisfying	lìngrén mǎnyì	令人满意
scalpel	jiěpōudāo	解剖刀
scarce mineral	xīyǒu kuàngwù	稀有矿物
scattering	sànshè	散 射
scattering spectroscopy	sànshè guāngpǔxué	散射光谱学
schistosome	xuèxìchóng	血吸虫
schistosomiasis	xuèxìchóngbìng	血吸虫病
science and technology, scientific and technical	kējì (kēxuéjìshù)	科技〔科学技术〕
Scientific and Technical Association (abbreviation for Chinese Scientific and Technical Association)	kējì xiéhuì	科技协会

Scientific and Technological Commission for National Defense	guófáng kējì wěiyuánhuì	国防科技委员会
scientist	kēxuéjiā	科学家
scissors	jiǎndāo	剪　刀
scrap	fèiliào	废　料
scraper (construction machine)	guātǔjī	刮土机
screw	luódīng (luósī)	螺钉〔螺丝〕
screwdriver	luósī qǐzi	螺丝起子
to search, to prospect, to explore	tànqiú	探　求
secondary circuit (opposite of primary circuit)	èrcìhuílù (cìhuílù)	二次回路〔次回路〕
Second Ministry of Machine Building	dìèr jīqì zhìzào gōngyèbù	第二机器制造工业部
secret remedy, technique or recipe	mìfāng	秘　方
sedative	zhènjìngjì	镇静剂
sediment	chéndiànwù	沉淀物
sedimentary rock	chénjīyán	沉积岩
seed	zhǒng	种
seed selection	xuǎnzhǒng	选　种
seed strain	pǐnzhǒng	品　种
seedling	yāngmiáo	秧　苗
seedling bed	miáopù	苗　圃
segmentation	fēngē	分　割
seismic activity	dìzhèn huódòng	地震活动
seismic station	dìzhèntái	地震台
seismic wave	zhènbō	震　波

seismograph	dìzhènyí	地震仪
seismological instrument	dìzhèn yíqì	地震仪器
seismological research	dìzhèn yánjiū	地震研究
seismology	dìzhènxué	地震学
seizure	cuìfāxìng jíbìng	猝发性疾病
selective breeding	xuǎnpèi	选　配
self-designed	zìxíng shèzhì (de)	自行设制(的)
self-reliance	zìlìgēngshēng	自力更生
self-reliant development, independent development	zìlìfāzhǎn	自力发展
self-sufficiency, self-sufficient	zìjǐ(zìzú)	自给(自足)
semi-automated	bànzìdònghuà	半自动化
semiconductor	bàndǎotǐ	半导体
sense of sight, vision	shìjué	视　觉
sense of smell	xiùjué	嗅　觉
sensitive	língmǐn	灵　敏
sensory receptor	gǎnshòuyí	感受仪
to separate from, to divorce from, separation	tuōlí	脱　离
separation, isolation	fēnlí	分　离
separator	fēnlíqì	分离器
sericulture	yǎngcán	养　蚕
setback, rebuff	cuòzhé	挫　折
sewage plant	wūshuǐ chǔlǐchǎng	污水处理厂
sewing machine	féngrènjī	缝纫机
shaft (drive shaft), axle	zhóu	轴
shale	yóuyèyán	油页岩

sheath blight	gǔké kūwěibìng	谷壳枯萎病
sheep	miányáng	绵 羊
shift, (in position)	biànwèi	变 位
ship	lúnchuán	轮 船
ship building industry	zàochuán (gōng)yè	造船(工)业
ships and warships (commercial and naval vessels)	chuánjiàn	船 舰
shoot, seedling	yòumiáo	幼 苗
short stem, short stemmed	duǎnjìng	短 茎
short wave	duǎnbō	短 波
shrub	guànmù	灌 木
side-blow oxygen convertor	cèchuī yǎngqì zhuǎnlú	侧吹氧气转炉
side occupation	fùyè	副 业
sieve	shāi	筛
significant, considerable	kěguān de	可观的
to signify, to symbolize, symbol, symbolic	xiàngzhēng	象 征
silicate	guīsuānyán	硅酸盐
silicon	guī (also xī)	硅〔矽〕
silicosis	shímò chénzhuóxìng fèibìng	石末沉着性肺病
silt	yūní	淤 泥
similar	xiāngsì (de)	相似(的)
simultaneous linear equation	liánlì yīcì fāngchéngzǔ	联立一次方程组
simultaneously	tóngshí	同 时

since (a given point of time)	yǐlái	以 来
on site, locally	jiùdì	就 地
skin	pífū	皮 肤
skin infection	pífū gǎnrǎn	皮肤感染
slag (from a blast furnace)	lúzhā	炉 渣
sleeve bearing	tàotǒng zhóuchéng	套筒轴承
slide (film transparency)	huàndēng(piàn)	幻灯(片)
slippage	huádòng	滑 动
sloped land	pōdì	坡 地
slow neutron	mànzhōngzǐ	慢中子
smallpox	tiānhuā	天 花
small-scale, portable	xiǎoxíng	小 型
to smell	wén (xiù)	闻〔嗅〕
to smelt	rónglìan	熔 炼
smelting plant	yěliànchǎng	冶炼厂
so as to, in order to, for the convenience of	yǐbiàn	以 便
so-called	suǒwèi de	所谓的
social science	shèhuì kēxué	社会科学
socialism	shèhuì zhǔyì	社会主义
sodium	nà	钠
soil	tǔrang	土 壤
soil composition	tǔrǎng chéngfèn	土壤成分
soil erosion	shuǐtǔ liúshī	水土流失
solar energy	tàiyángnéng	太阳能
solar stove	tàiyánglú	太阳炉
to solder, soldered	xīhàn	锡 焊

sole, only, single	wéiyī	唯 一
solid	gùtǐ	固 体
solid-state	gùtài	固 态
solid-state laser	gùtài jīguāngqì	固态激光器
solid-state physics	gùtài wùlǐ (xué)	固态物理(学)
solution	róngyè	溶 液
solvent	róngjì	溶 剂
soma	tǐxìbāo	体细胞
sonar	shēngnà	声 纳
sooner or later, eventually	chízǎo	迟 早
sorghum (kaoliang)	gāoliáng	高 粱
sorter	fēnlèijī	分类机
to sow, sowing	bōzhǒng	播 种
soybean	dàdòu	大 豆
space program	tàikōngjìhuà	太空计划
span	héngkuà	横 跨
spare-time education classes	yèyú xuéxíbān	业余学习班
special theory of relativity	xiáyì xiāngduìlùn	狭义相对论
specialist	zhuānjiā	专 家
specialized institute	zhuānyè yánjiūsuǒ	专业研究所
specialized study	zhuānmén yánjiū	专门研究
specialty, special field, exclusively	zhuānmén	专 门
species	pǐnzhǒng	品 种
specimen	biāoběn	标 本
spectrograph	fēnguāng shèxiàngyí (shèpǔyí)	分光摄相仪〔摄谱仪〕

spectrometer	fēnguāngyí (fēnguāngjì)	分光仪〔分光计〕
spectrophotometry	fēnguāng guāngdù cèdìngfǎ	分光光度测定法
spectroscope	fēnguāngjìng	分光镜
spectroscopy	guāngpǔxué	光谱学
speed	sùdù	速　度
sperm	jīngzǐ	精　子
spillway	yìhóngdào	溢洪道
spinal membrane	jǐgǔmó	脊骨膜
spiral	luóxuánxíng	螺旋形
spiral strand	luótī jiégòu	螺梯结构
spleen	pízàng	脾　脏
to splice, splicing	jiǎojiē	绞　接
to sponsor, to initiate, to organize	jǔbàn	举　办
spore	bāozǐ	孢　子
spot welding	diǎnhàn	点　焊
to spray, spraying	pēn(wù)	喷(雾)
to spray insecticide	pēnyào	喷　药
sprayed as a super-fine mist	chāoxì pēnwù	超细喷雾
sprayer	pēnwùqì	喷雾器
spring (mechanical)	tánhuáng	弹　簧
spur gear	zhèngchǐlún	正齿轮
stability	wěndìngxìng	稳定性
stable	wěndìng	稳　定
stage, phase	jiēduàn	阶　段

stainless steel	bùxiùgāng	不锈钢
to stake out (surveying term)	lìzhuāng biāochū	立桩标出
stamping machine	dǎosuìjī	捣碎机
standard	biāozhǔn	标 准
standardization	biāozhǔnhuà	标准化
to start construction	xīngxiu	兴 修
to start from scratch	báishǒu qǐjiā	白手起家
state, condition	zhuàngtài	状 态
State Council	guówùyuàn	国务院
state farm	guóyíng nóngchǎng	国营农场
stator	dìngzi	定 子
to stay	dāi	呆
steam turbine	qìlúnjī	汽轮机
steel	gāng	钢
steel beam	gāngliáng	钢 梁
steel billet	gāngpī	钢 坯
steel bloom	gāngkuài	钢 块
steel ingot	gāngdìng	钢 锭
steel pipe, steel pipeline	gāngguǎn	钢 管
steel product	gāngzhìpǐn	钢制品
steel scrap	fèigāngliào (fèitiě)	废钢料〔废铁〕
steel sheet	gāngpiàn	钢 片
steel slab	gāngbǎn	钢 板
steel strip	gāngtiáo	钢 条
steep	dǒu	陡
stellar physics	xīngqiú wùlǐxué	星球物理学

step, pace	bùfá	步 伐
step by step, gradually	zhúbù	逐 步
sterile bandage	xiāodúbēngdài	消毒绷带
to sterilize (sanitize)	xiāodú	消 毒
to sterilize (make infertile)	juéyù	绝 育
steroid	zīzú	甾 族
stiff neck	jǐngbù fājiāng	颈部发僵
still, as before	réngjiù	仍 旧
stimulant	cìjīwù	刺激物
to stimulate	cìjī	刺 激
to stipulate, to prescribe, to set down	guīdìng	规 定
storage tank	chǔxùguàn (chǔxùchí)	储蓄罐〔储蓄池〕
storm	bàofēngyǔ	暴风雨
stove	lú	炉
strain	yìngbiàn	应 变
strategic points (of the body)	xuéwèi	穴 位
stratification	céngli	层 理
stratographic trap	dìcéng quānbì	地层圈闭
straton	céngzǐ	层 子
strength	qiángdù	强 度
streptomycin	liànméisù	链霉素
stress	yìngli	应 力
strip cropping, strip planting	tiáozhuàng bōzhòng (gétiáo zhòngzhí)	条状播种〔隔条种植〕
to strive, to make every effort to	lìqiú	力 求
strong-coupling meson	qiáng(ǒuhé jiè)zǐ	强(耦合介)子

strontium	sī	锶
structural formula	jiégòushì	结构式
structural strength	jiégòu qiángdù	结构强度
to study abroad	liúxué	留　学
to study deeply, to deliberate, to delve into something deeply	shēnjiū	深　究
"Studying the old to bring forth the new, and using foreign things to serve China."	gǔwéijīnyòng yángwéizhōngyòng	古为今用，洋为中用
sub-base	fùjī	副　基
subject, course (academic study)	kēmù	科　目
subsidence	chénxiàn zuòyòng	沉陷作用
subsoil	dǐtǔ	底　土
subsurface drain system	dìxià páishuǐ xìtǒng	地下排水系统
successively, in close succession	xiāngjì	相　继
sugar cane	gānzhè	甘　蔗
sulfur	liú	硫
sulfur dioxide	èryǎnghuàliú	二氧化硫
sulfuric acid	liúsuān	硫　酸
to sum up, to summarize	zǒngjié	总　结
super alloy	chāojí héjīngāng	超级合金钢
super high pressure	chāogāoyā	超高压
superconductivity	chāodǎodiànxìng	超导电性
superconductor	chāodǎotǐ	超导体
superfluidity	chāoliúdòngxìng	超流动性

supersonic speed	chāoyīnsù	超音速
superstition	míxìn	迷 信
to supervise, supervision	jiāndū	监 督
to supply	gōngjǐ	供 给
surface evaporation	biǎocéng zhēngfā	表层蒸发
surface of the earth	dìbiǎo	地 表
surgery, surgical	wàikē	外 科
surgery, surgical operation	wàikē shǒushù	外科手术
surgical instrument	wàikē qìjù	外科器具
surgical removal	gēchú	割 除
to survey (land), to measure	cèliáng	测 量
survey data	cèliáng shùjù	测量数据
surveying or measuring instrument	cèliáng yíqì	测量仪器
suspension bridge	diàochiáo	吊 桥
suspension polymerization	xuánfú jùhé zuòyòng	悬浮聚合作用
to suture, to join by sewing	fénghé	缝 合
suture	féngxiàn	缝 线
swelling, bulging	zhǒngzhàng (zhàngzhǒng)	肿胀〔胀肿〕
swine, pig	zhū	猪
switching yard	diàochēchǎng	调车场
swollen gland	xiànzhǒng	腺 肿
to symbolize, symbol	xiàngzhēng	象 征
symptom	zhèngzhuàng	症 状
synchrotron	tóngbù jiāsùqì	同步加速器
to synthesize, synthesis	(réngōng) héchéng	(人工)合成
synthetic	héchéng (rénzào) (zōnghé)	合成〔人造〕〔综合〕

synthetic fertilizer	rénzào féiliào	人造肥料
synthetic fiber	héchéng xiānwéi	合成纤维
synthetic gas	héchéng qìtǐ	合成气体
systematic	yǒuxìtǒng (de)	有系统(的)

T

Tachai (in Shansi Province)	dàzhài	大 寨
Tach'ing Petrochemical Complex	dàqìng shíyóu huàxué zōnghé qǐyè	大庆石油化学综合企业
Ta-hsing-an Mountain Range	dàxīnganlǐng	大兴安岭
to take (medicine)	fú	服
to take a blood sample	chōuxuè	抽 血
to take one's temperature	jiǎnchá tǐwēn	检查体温
talent, ability, capability	cáinéng	才 能
tank truck	yóucáo qìchē (yóuchē) (yùnyóu kǎchē)	油槽汽车〔油车〕〔运油卡车〕
tape-recording device	cídài lùyīnqì	磁带录音器
tapping the blast furnace	chūgāng	出 钢
target, objective	duìxiàng	对 象
to tear up	sīhuǐ	撕 毁
technical, technicality	jìshùxìng	技术性
technical college	zhuānkē xuéxiào	专科学校
technical innovation	jìshù géxīn	技术革新
technician, technical personnel	jìshù (rén)yuán	技术(人)员

technology	jìshù	技 术
tectonic system	gòuzào tǐxì	构造体系
tectonics	gòuzào dìzhìxué	构造地质学
telecommunication	diànxìn (diànxùn)	电信〔电讯〕
telecommunication equipmen'	diànxùn qìcái	电讯器材
telemetry	yáocè	遥 测
telephone	diànhuà	电 话
telescope	wàngyuǎnjìng	望远镜
television	diànshì	电 视
television relay station	diànshì zhuǎnbōzhàn	电视转播站
television set, receiver	diànshìjī	电视机
temperature, to have a fever	fāshāo	发 烧
temperature, degrees of	wēndù	温 度
tendon	jiàn	腱
tendon transfer operation	jiànyízhí shǒushù	腱移植手术
T'eng-ko-li Desert	téngégélǐ shāmò	腾格里沙漠
terraced field	tītián	梯 田
textile	fǎngzhī	纺 织
thallium	tā	铊
theodolite, transit	jīngwěiyí	经纬仪
theoretical geology	lǐlùn dìzhìxué	理论地质学
theory	lǐlùn	理 论
theory of relativity	xiāngduìlùn	相对论
theory of resonance	gòngzhènlùn	共振论
thermal	rèxué (de)	热学(的)
thermal generator	huǒlì fādiànjī	火力发电机

thermal power	règōnglǜ	热功率
thermal powerplant	huǒlì fādiànzhàn	火力发电站
thermodynamics	rèlìxué	热力学
thermometer	wēndùjì	温度计
thermonuclear	rèhé(zǐ)	热核(子)
thermonuclear fusion	rèhé jùbiàn	热核聚变
thermonuclear reaction	rèhé fǎnyìng	热核反应
thermonuclear test	rèhé shìbào	热核试爆
thermo-sensitive resistor	rèmǐn diànzǔ	热敏电阻
thermostat	héngwēnqì	恒温器
thin-layer	bócéng	薄　层
third generation	dìsāndài	第三代
thread (of a screw, bolt, etc.)	luówén (sīkòu)	螺纹〔丝扣〕
to thresh	dǎgǔ	打　谷
threshing machine	dǎgǔjī	打谷机
throat	yānhóu	咽　喉
thymine	xiōngxiàn mìdìng	胸腺密啶
thyroid gland	jiǎzhuàngxiàn	甲状腺
in time, timely	jíshí	及　时
time limit, deadline	qīxiàn	期　限
tingling sensation	cìtòng	刺　痛
tiny blood vessel	wēixuèguǎn	微血管
tissue	zǔzhī	组　织
titanium	tài	钛
tobacco	yāncǎo	菸　草
Tokamak apparatus	tuōkǎmǎkè zhuāngzhì	托卡马克装置
ton	dūn	吨

tonsil	biǎntáoxiàn	扁桃腺
tool	gōngjù	工　具
tool and die maker	mújùgōng	模具工
topographic map	dìxíngtú	地形图
topographic survey data	dìxíng cèliáng shùjù	地形测量数据
topography, terrain	dìxíng	地　形
topsoil	biǎotǔ	表　土
tourniquet	zhǐxuèdài	止血带
trace, a trace of	hénliàng	痕　量
trachoma	shāyǎn	砂　眼
to track, tracking	gēnzōng (zhuīzōng)	跟踪〔追踪〕
tractor	tuōlājī	拖拉机
tractor accident	tuōlājī shìgù	拖拉机事故
tractor-drawn sprayer	jīyǐn pēnwùqì	机引喷雾器
trade	màoyì	贸　易
tradition, traditional	chuántǒng	传　统
traditional Chinese medicine	zhōngyī	中　医
traffic load	jiāotōngliàng (tōngchēliàng)	交通量〔通车量〕
to train, training, discipline	xùnliàn	训　练
transfer	zhuǎnlù	转　录
transfer line	shūsòngxiàn	输送线
to transform	zhuǎnhuà	转　化
transformation	biànhuà	变　化
transformation of material	wùzhì biànhuà	物质变化

transformer	biànyāqì	变压器
transfusion (blood)	shūxuè	输 血
transistor	jīngtǐguǎn	晶体管
transit, theodolite	jīngwěiyí	经纬仪
transitional form	guòdù xíngshì	过渡形式
transmission (mechanical)	chuándòng	传 动
transmission line	diànxiàn	电 线
transmission mechanism (of mechanical motion)	chuándòng zhuāngzhì	传动装置
transmission of hereditary characteristics	yíchuán xíngzhuàng chuándì	遗传性状传递
transmission system	fāshè xìtǒng	发射系统
to transmit, to launch	fāshè	发 射
transmitter	fāshèjī	发射机
to transplant, to graft	yízhí	移 植
transplanting machine	chāyāngjī	插秧机
transport vehicle	yùnshū gōngjù	运输工具
transportation	yùnshū	运 输
transportation system	jiāotōng yùnshū	交通运输
transshipment point	zhuǎnyùnzhàn	转运站
trap (geological)	quānbì	圈 闭
trauma, wound, injury	chuāngshāng	创 伤
traumatology	wàishāngxué	外伤学
to treat, treatment	zhìliáo	治 疗
tree	qiáomù (shù)	乔木〔树〕
tributary	zhīliú	支 流
tritium	chuān	氚

truck	kǎchē	卡 车
trunk line	gànxiàn	干 线
truss bridge	héngchiáo	桁 桥
tube	guǎn(zǐ)	管(子)
tubercular	jiéhéxìng	结核性
tuberculosis	jiéhébìng	结核病
tuberculosis (of the lungs)	fèijiéhé(bìng)	肺结核(病)
tubewell, pumpwell	jījǐng	机 井
tumor	zhǒngliú	肿 瘤
tunnel	suìdào	隧 道
turbine	wōlúnjī	涡轮机
turbine blade	wōlúnyè	涡轮叶
turbo-generator	wōlúnshì fādiànjī	涡轮式发电机
turning (as on a lathe)	chēxiāo	车 削
tympanic membrane	gǔmó	鼓 膜
type, model, kind	xíng	型
typewriter terminal	dǎzì shūchūduān	打字输出端
typhoon	táifēng	台 风
typical	diǎnxíng de	典型的

U

ultra-high frequency	chāogāopín	超高频
ultra-high temperature	chāogāowēn	超高温
ultra-low temperature	chāodīwēn	超低温
ultra-sonic wave	chāoshēngbō	超声波
ultra-violet ray	zǐwàixiàn	紫外线

unable (to answer a question or do a task)	nánzhù	难 住
underdeveloped (not advanced)	bùfāda	不发达
underground mining	dìxià kāikuàng	地下开矿
to understand, to comprehend	lǐjiě	理 解
to understand (from direct experience)	tǐhuì	体 会
to undertake, to bear, to assume	chéngdān	承 担
uniform, even	jūnyún	均 匀
unit (organization or measure)	dānwèi	单 位
units of information, bits of information	xìnxī dānwèi	信息单位
universal, to popularize, to extend	pǔjí	普 及
universal joint	wànxiàngjié	万向节
unmanned	wúrén jiàshǐ de	无人驾驶的
unscientific	bùkēxué (de)	不科学(的)
uplift	shàngshēng	上 升
uranium	yóu	铀
uranium235	yóu èrsānwǔ	铀235
urea	niàosù	尿 素
urgent	pòqiè	迫 切
urgent need	jíxū	急 需
urinary tract	niàodào	尿 道
urine test, urinalysis	niàoyè huàyàn (yànniào)	尿液化验〔验尿〕
urological, urology	mìniàoxué	泌尿学

use, application	yòngtú	用 途
uterus, uterine	zǐgōng	子 宫
utilization rate	lìyònglǜ	利用率
to utilize	lìyòng	利 用

V

vaccine	yìmiáo	疫 苗
vacuum	zhēnkōng	真 空
vacuum tube	diànzǐguǎn (zhēnkōngguǎn)	电子管〔真空管〕
vagina, vaginal	yīndào	阴 道
vaginal mucosa	niánmó	粘 膜
valley	shāngōu	山 沟
variable capacity	kěbiàn néngliàng	可变能量
variation	biànzhǒng	变 种
vast (in area)	fúyuán guǎngdà	幅员广大
v-belt	sānjiǎo pídài	三角皮带
vegetable protein	zhíwù dànbáizhì	植物蛋白质
vegetative hybridization	wúxìng zájiāo	无性杂交
vehicle	chēliàng	车 辆
venereal disease	xìngbìng	性 病
ventilation	tōngfēng	通 风
to verify experimentally	yànzhèng	验 证
vertebra, vertebral	jǐzhuī	脊 椎
vertebrate paleontology	jǐzhuī dòngwù gǔshēngwùxue	脊椎动物古生物学

vertebrate zoology	jǐzhuī dòngwùxué	脊椎动物学
vertical shaft	shùjǐng	竖 井
very few	liáoliáokěshǔ	寥寥可数
in the vicinity of, around	sìzhōu	四 周
viewpoint	guāndiǎn	观 点
vigorous development, full of steam	péngbó fāzhǎn	蓬勃发展
virus, viral	bìngdú	病 毒
virus ribonucleic acid	bìngdú hétángsuān	病毒核糖酸
vision, sight	shìjué	视 觉
vitamin	wéishēngsù	维生素
voltage	diànyā	电 压
voltmeter	fútèjì (diànyābiǎo)	伏特计〔电压表〕
volume	róngjī	容 积
to vomit	ǒutù	呕 吐

W

warhead	dàntóu	弹 头
to warp, warping	qiàoqū	翘 曲
washer (on a bolt)	diànquān	垫 圈
waste	fèiwù	废 物
wasteland	huāngdì	荒 地
waste product	fèiliào	废 料
waste treatment	chǔlǐ lājī	处理垃圾
water	shuǐfèn	水 份

water conservancy	shuǐlì	水　利
water control	zhìshuǐ	治　水
water caused soil erosion	tǔrǎng liúshī	土壤流失
water pump	chōushuǐjī (shuǐbèng) (bèng)	抽水机〔水泵〕〔泵〕
water purification	jìnghuà wūshuǐ	净化污水
water runoff	fànliú	泛　流
water treatment plant	jìngshuǐchǎng	净水厂
waterway	hángdào	航　道
water wheel	shuǐchē	水　车
water-cooled	shuǐlěng(shì)	水冷(式)
waterlogged field	làodì	涝　地
wattmeter	wǎtèjì	瓦特计
wave property	bōdòngxìng	波动性
wave ratio, ratio of P and S waves	zònghéng bōsùbǐ	纵横波速比
wave velocity	bōsù	波　速
wax, paraffin	shílà	石　腊
weak	bóruò	薄　弱
weapons	wǔqì	武　器
weather forecasting	tiānqì yùbào	天气预报
to weed, weeding	chúcǎo	除　草
week	zhōu	周
to weld, welding	rónghàn (hànjiē)	熔焊〔焊接〕
welder	hàngōng	焊　工
welfare	fúlì	福　利
well (water)	jǐng	井

well drilling rig	zuànjǐng shèbèi	钻井设备
well known, everyone knows that...	zhòngsuǒzhōuzhī	众所周知
Western medicine, doctors practicing Western medicine	xīyī	西 医
wharf	mǎtóu	码 头
wheat	xiǎomài	小 麦
wheelbarrow	shǒutuīchē	手推车
Wheland	wéilándé	威兰德
wicker basket	luókuāng	箩 筐
wide, widely	guǎngfàn	广 泛
wind erosion	fēngshí	风 蚀
winter hardy	nàihán	耐 寒
wire communication	yǒuxiàn tōngxìn	有线通信
wire-drawing shop	lāxiàn chējiān (chōusī chējiān)	拉线车间〔抽丝车间〕
to withdraw	chèlí	撤 离
wonder, miracle	qíjī	奇 迹
won't help the matter, not by a long shot, inadequate	wújiyúshì	无济于事
workshop	chējiān	车 间
worm gear	wōlún	蜗 轮
worsen	èhuà	恶 化
wounded person	shāngzhě	伤 者
wound, cut	shāngkǒu	伤 口

X

X-ray machine	x guāng tòushìjī (è-kè-sī guāng tòushìjī)	X光透视机

Y

YAG laser (yttrium aluminum garnet laser)	yǐlǚshí liúshí jīguāngqì	钇铝石榴石激光机
Yangtze River	chángjiāng	长 江
Yellow River	huánghé	黄 河
young	niánqīng (de)	年轻(的)
young shoot, tender seedling	yòumiáo	幼 苗

Z

zone	dìdài	地 带
zoology	dòngwùxué	动物学

APPENDICES

Appendix I: Weights and Measures
Chemical Elements

Appendix II: Chinese Government Organizations and Research Institutes Related to Science and Technology (partial list)

Appendix I

计量单位简表

Weights and Measures

	市制及进位法 Chinese System	折合公制 Metric Value	折合英美制 British and U.S. Value
长度 Length	1分（10厘）		
	1寸（10分）	3.3333厘米 (cm.)	1.3123吋 (in.)
	1尺（10寸）	0.3333米 (m.)	1.0936呎 (ft.)
	1丈（10尺）	3.3333米 (m.)	3.6454码 (yd.)
	1里（150丈）	0.5000公里 (km.) 0.2700浬(nautical mile)	0.3107哩 (mi.)
面积和地积 Area	1平方尺（100平方寸）	0.1111平方米 (sq.m.)	1.1960平方呎 (sq.ft.)
	1平方丈（100平方尺）	11.1111平方米 (sq.m.)	
	1平方里（22500平方丈）	0.2500平方公里(sq.km.)	0.0965平方哩 (sq.mi.)
	1分（6平方丈）		
	1亩（10分）	6.6667公亩 (a.) 0.0667公顷 (ha.)	0.1644啾 (a.)
	1顷（100亩）	6.6667公顷 (ha.)	

	市制及进位法 Chinese System	折合公制 Metric Value	折合英美制 British and U.S. Value
体积和容量 Physical volume and capacity	1立方尺（1000立方寸）	0.0370立方米 (cubic m.)	1.3078立方呎(cubic ft.)
	1立方丈（1000立方尺）	37.0370立方米(cubic m.)	
	1合	100毫升 (ml.)	
	1升（10合）	1升 (l.)	1.7598品脱（英）(pt.) 0.2200加仑（英）(gal.)
	1斗（10升）	10升 (l.)	
	1石（10斗）	100升 (l.)	2.7498蒲式耳(英)(bu.)
重量 Weight	1钱	5克 (g.)	
	1两（10钱）	50克 (g.)	1.7637盎司（常衡） 1.7637 oz. (Avoirdupois)
	1斤（10两）	0.5000公斤 (kg.)	1.1023磅（常衡） 1.1023 lb. (Avoirdupois)
	1担（100斤）	0.5000公担 (q.)	

化学元素表

Chemical Elements

原子序数 Atomic Number	元素名称 Names of Elements	符号 Symbols	英文名称 English Names
1	氢 qīng	H	hydrogen
2	氦 hài	He	helium
3	锂 lǐ	Li	lithium
4	铍 pí	Be	beryllium
5	硼 péng	B	boron
6	碳 tàn	C	cabon
7	氮 dàn	N	nitrogen
8	氧 yǎng	O	oxygen
9	氟 fú	F	fluorine
10	氖 nǎi	Ne	neon
11	钠 nà	Na	sodium
12	镁 měi	Mg	magnesium
13	铝 lǚ	Al	aluminium
14	硅 guī	Si	silicon
15	磷 lín	P	phosphorus
16	硫 liú	S	sulfur
17	氯 lǜ	Cl	chlorine
18	氩 yà	Ar	argon
19	钾 jiǎ	K	potassium
20	钙 gài	Ca	calcium
21	钪 kàng	Sc	scandium
22	钛 tài	Ti	titanium
23	钒 fán	V	vanadium
24	铬 gè	Cr	chromium
25	锰 měng	Mn	manganese
26	铁 tiě	Fe	iron
27	钴 gǔ	Co	cobalt
28	镍 niè	Ni	nickel
29	铜 tóng	Cu	copper
30	锌 xīn	Zn	zinc
31	镓 jiā	Ga	gallium
32	锗 zhě	Ge	germanium
33	砷 shēn	As	arsenic
34	硒 xī	Se	selenium
35	溴 xiù	Br	bromine
36	氪 kè	Kr	krypton
37	铷 rú	Rb	rubium
38	锶 sī	Sr	strontium
39	钇 yǐ	Y	yttrium
40	锆 gào	Zr	zirconium

原子序数 Atomic Number	元素名称 Names of Elements	符号 Symbols	英文名称 English Names
41	铌 nǐ	Nb	niobium
42	钼 mù	Mo	molybdenum
43	锝 dé	Tc	technetium
44	钌 liǎo	Ru	ruthenium
45	铑 lǎo	Rh	rhodium
46	钯 bǎ	Pd	palladium
47	银 yín	Ag	silver
48	镉 gé	Cd	cadmium
49	铟 yīn	In	indium
50	锡 xī	Sn	tin
51	锑 tī	Sb	antimony
52	碲 dì	Te	tellurium
53	碘 diǎn	I	iodine
54	氙 xiān	Xe	xenon
55	铯 sè	Cs	cesium
56	钡 bèi	Ba	barium
57	镧 lán	La	lanthanum
58	铈 shì	Ce	cerium
59	镨 pǔ	Pr	praseodymium
60	钕 nǚ	Nd	neodymium
61	钷 pǒ	Pm	promethium
62	钐 shān	Sm	samarium
63	铕 yǒu	Eu	europium
64	钆 gá	Gd	gadolinium
65	铽 tè	Tb	terbium
66	镝 dī	Dy	dysprosium
67	钬 huǒ	Ho	holmium
68	铒 ěr	Er	erbium
69	铥 diū	Tm	thulium
70	镱 yì	Yb	ytterbium
71	镥 lǔ	Lu	lutecium
72	铪 hā	Hf	hafnium
73	钽 tǎn	Ta	tantalum
74	钨 wū	W	tungsten
75	铼 lái	Re	rhenium
76	锇 é	Os	osmium
77	铱 yī	Ir	iridium
78	铂 bó	Pt	platinum
79	金 jīn	Au	gold
80	汞 gǒng	Hg	mercury
81	铊 tā	Tl	thallium

原子序数 Atomic Number	元素名称 Names of Elements	符号 Symbols	英文名称 English Names
82	铅 qiān	Pb	lead
83	铋 bì	Bi	bismuth
84	钋 pō	Po	polonium
85	砹 ài	At	astatine
86	氡 dōng	Rn	radon
87	钫 fāng	Fr	fracium
88	镭 léi	Ra	radium
89	锕 ā	Ac	actinium
90	钍 tǔ	Th	thorium
91	镤 pú	Pa	protactinium
92	铀 yóu	U	uranium
93	镎 ná	Np	neptunium
94	钚 bù	Pu	plutonium
95	镅 méi	Am	americium
96	锔 jú	Cm	curium
97	锫 péi	Bk	berkelium
98	锎 kāi	Cf	californium
99	锿 āi	Es	einstenium
100	镄 fèi	Fm	fermium
101	钔 mén	Md	mendelevium
102	锘 nuò	No	nobelium
103	铹 láo	Lr	lawrencium

From A Small Chinese-English Dictionary, Peking Language Institute, 1976.

Appendix II

Chinese Government Organizations and Research Institutes Related to Science and Technology

(partial list)

State Council	(guówùyuàn)	国务院
State Capital Construction Commission	(guójiā jīběn jiànshè wěiyuánhuì)	国家基本建设委员会
State Economic Commission	(guójiā jīngjì wěiyuánhuì)	国家经济委员会
State Planning Commission	(guójiā jìhuà wěiyuánhuì)	国家计划委员会
State Scientific and Technological Commission	(kēxué jìshù wěiyuánhuì)	科学技术委员会
Ministry of:		
Agriculture and Forestry	(nónglínbù)	农林部
Chemical Industry	(huàxué gōngyèbù)	化学工业部
Coal Industry	(méitàn gōngyèbù)	煤炭工业部
Commerce	(shāngyèbù)	商业部
Communications	(jiāotōngbù)	交通部
Economic Relations with Foreign Countries	(duìwài jīngjì liánluòbù)	对外经济联络部
Education	(jiàoyùbù)	教育部
Finance	(cáizhèngbù)	财政部
Foreign Trade	(duìwài màoyìbù)	对外贸易部
Light Industry	(qīnggōngyèbù)	轻工业部
Machine Building, First Ministry of ... (Second, Third, -- Seventh)	(dìyī jīxiè gōngyèbù) (dìèr, dìsān, -- dìqī)	第一机械工业部 (第二，第三—第七)

Metallurgical Industry	(yějīn gōngyèbù)	冶金工业部
National Defense	(guófángbù)	国防部
Petroleum Industry	(shíyóu gōngyèbù)	石油工业部
Posts and Telecommunications	(yóudiànbù)	邮电部
Public Health	(wèishēngbù)	卫生部
Railways	(tiědàobù)	铁道部
Textiles	(fǎngzhī gōngyèbù)	纺织工业部
Water Conservancy and Power	(shuǐlì diànlìbù)	水利电力部

Central Broadcasting Administration Bureau	(zhōngyāng guǎngbō shìyèjú)	中央广播事业局
China Council for the Promotion of International Trade	(zhōngguó guójì màoyì cùjìn wěiyuánhuì)	中国国际贸普促进委员会
Civil Aviation Administration of China (CAAC)	(zhōngguó mínyòng hángkōng zǒngjú)	中国民用航空总局
Committee for Reform of the Written Chinese Language	(zhōngguó wénzì gǎigé wěiyuánhuì)	中国文字改革委员会
People's Bank of China	(zhōngguó rénmín yínháng)	中国人民银行

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Chinese Academy of Agricultural and Forestry Sciences	(zhōngguó nónglín kēxuéyuàn)	中国农林科学院
Chinese Academy of Medical Sciences	(zhōngguó yīxué kēxuéyuàn)	中国医学科学院
Chinese Academy of Sciences	(zhōngguó kēxuéyuàn)	中国科学院
Chinese Scientific and Technical Association	(zhōngguó kēxué jìshù xiéhuì)	中国科学技术协会

Research Institutes of the Chinese Academy of Medical Sciences (partial list)

In Peking:

Cancer Research (Oncology), Institute of	(zhǒngliú yánjiūsuǒ)	肿瘤研究所
Epidemiology, Institute of	(liúxíngbìngxué yánjiūsuǒ)	流行病学研究所
Cardiovascular Diseases Institute	(xīnzàng guǎn dào yánjiūsuǒ)	心脏管道研究所
Labor Hygiene, Institute of	(láodòng wèishēng yánjiūsuǒ)	劳动卫生研究所
Materia Medica (Pharmacology), Institute of	(yàowù yánjiūsuǒ)	药物研究所
Pediatrics, Institute of	(értóng yánjiūsuǒ)	儿科研究所
Virology, Institute of	(bìngdúxué yánjiūsuǒ)	病毒学研究所

In other cities:

Medical Biology, Institute of	(yīxué shēngwùxué yánjiūsuǒ)	医学生物学研究所
Hematology, Institute of	(xuèyèbìng yánjiūsuǒ)	血液病研究所
Medical Instruments, Institute of	(yīxué yíqì yánjiūsuǒ)	医学仪器研究所
Medical Radiology, Institute of	(fàngshè yīxué yánjiūsuǒ)	放射医学研究所
Parasitology, Institute of	(jìshēngchóngbìng yánjiūsuǒ)	寄生虫病研究所

Research Institutes of the Chinese Academy of Sciences (partial list)

(All in Peking, except those starred*)

Atomic Energy, Institute of	(yuánzǐnéng yánjiūsuǒ)	原子能研究所
Atmospheric Physics, Institute of	(dàqì wùlǐ yánjiūsuǒ)	大气物理研究所
Biophysics, Institute of	(shēngwù wùlǐ yánjiūsuǒ)	生物物理研究所
Chemistry, Institute of	(huàxué yánjiūsuǒ)	化学研究所

Computing Technology, Institute of	(jìsuàn jìshù yánjiūsuǒ)	计算技术研究所
Electronics, Institute of	(diànzǐ yánjiūsuǒ)	电子研究所
Genetics, Institute of	(yíchuán yánjiūsuǒ)	遗传研究所
Geography, Institute of	(dìlǐ yánjiūsuǒ)	地理研究所
Geology, Institute of	(dìzhì yánjiūsuǒ)	地质研究所
Geophysics, Institute of	(dìqiú wùlǐ yánjiūsuǒ)	地球物理研究所
High Energy Physics, Institute of	(gāonéng wùlǐ yánjiūsuǒ)	高能物理研究所
Mathematics, Institute of	(shùxué yánjiūsuǒ)	数学研究所
Metrology, Institute of	(jìliàngxué yánjiūyuàn)	计量学研究院
Microbiology, Institute of	(wēishēngwù yánjiūsuǒ)	微生物研究所
*Nanking Astronomical Instruments Factory	(nánjīng zǐjīnshān tiānwéntái)	南京紫金山天文台
*Nanking Purple Mountain Observatory	(nánjīng tiānwén yíqìchǎng)	南京天文仪器厂
Peking Observatory	(běijīng tiānwéntái)	北京天文台
Physics, Institute of	(wùlǐ yánjiūsuǒ)	物理研究所
Psychology, Institute of	(xīnlǐ yánjiūsuǒ)	心理研究所
Semiconductors, Institute of	(bàndǎotǐ yánjiūsuǒ)	半导体研究所
*Shanghai Observatory	(shànghǎi tiānwéntái)	上海天文台
*Shensi Observatory	(shǎnxī tiānwéntái)	陕西天文台
*University of Science and Technology (Anhwei)	(zhōngguó kēxué jìshù dàxué)	中国科学技术大学
Vertebrate Paleontology and Paleoanthropology, Institute of	(gǔjizhuī dòngwù yǔ gǔrénlèi yánjiūsuǒ)	古脊椎动物与古人类研究所
*Yunnan Observatory	(yúnnán tiānwéntái)	云南天文台

Institutes administered jointly by the Academy of Sciences and provinces or municipalities:

Dalien Institute of Chemical Physics	(dàlián huàxué wùlǐ yánjiūsuǒ)	大连化学物理研究所
Fukien Institute of Material Structure	(fújiàn wùzhì jiégòu yánjiūsuǒ)	福建物质结构研究所
Harbin Institute of Engineering Mechanics	(hāerbīn gōngchéng lìxué yánjiūsuǒ)	哈尔滨工程力学研究所
Hupei Institute of Physics	(húběi wùlǐ yánjiūsuǒ)	湖北物理研究所
Kirin Institute of Applied Chemistry	(jílín yìngyòng huàxué yánjiūsuǒ)	吉林应用化学研究所
Kwangchow Institute of South Seas Oceanography	(guǎngzhōu nánhǎi hǎiyáng yánjiūsuǒ)	广州南海海洋研究所
Kweiyang Institute of Geochemistry	(guìyáng dìqiú huàxué yánjiūsuǒ)	贵阳地球化学研究所
Lanchow Institute of Glaciers, Permafrost, and Deserts	(lánzhōu bīngchuān dòngtǔ shāmò yánjiūsuǒ)	兰州冰川冻土沙漠研究所
Lanchow Institute of Modern Physics	(lánzhōu jìndài wùlǐ yánjiūsuǒ)	兰州近代物理研究所
Nanking Institute of Geology and Paleontology	(nánjīng dìzhì gǔshēngwù yánjiūsuǒ)	南京地质古生物研究所
Nanking Institute of Soil Research (Pedology)	(nánjīng tǔrǎng yánjiūsuǒ)	南京土壤研究所
Peking Institute of Automation	(běijīng zìdònghuà yánjiūsuǒ)	北京自动化研究所
Peking Institute of Botany	(běijīng zhíwù yánjiūsuǒ)	北京植物研究所
Peking Institute of Chemical Metallurgy	(běijīng huàxué yějīn yánjiūsuǒ)	北京化学冶金研究所
Peking Institute of Electrical Engineering	(běijīng diàngōng yánjiūsuǒ)	北京电工研究所
Peking Institute of Environmental Chemistry	(běijīng huánjìng huàxué yánjiūsuǒ)	北京环境化学研究所
Peking Institute of Mechanics	(běijīng lìxué yánjiūsuǒ)	北京力学研究所

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Peking Institute of Zoology	(běijīng dòngwù yánjiūsuǒ)	北京动物研究所
Peking Scientific Instruments Factory	(běijīng kēxué yíqìchǎng)	北京科学仪器厂
Shanghai Institute of Automation	(shànghǎi zìdònghuà yánjiūsuǒ)	上海自动化研究所
Shanghai Institute of Biochemistry	(shànghǎi shēngwù huàxué yánjiūsuǒ)	上海生物化学研究所
Shanghai Institute of Metallurgy	(shànghǎi yějīn yánjiūsuǒ)	上海冶金研究所
Shanghai Institute of Optics and Fine Mechanics	(shànghǎi guāngxué jīngmì jīxiè yánjiūsuǒ)	上海光学精密机械研究所
Shanghai Institute of Organic Chemistry	(shànghǎi yǒujī huàxué yánjiūsuǒ)	上海有机化学研究所
Shanghai Institute of Silicates	(shànghǎi guīsuānyán yánjiūsuǒ)	上海硅酸盐研究所
Shenyang Institute of Computing Technology	(shěnyáng jìsuàn jìshù yánjiūsuǒ)	沈阳计算技术研究所